

SEQUENCE LISTING

<110> Centre for Addiction and Mental Health

<120> Detection of Epigenetic Abnormalities and Diagnostic Method Based Thereon

<130> 04340-PCT-PA(0148.0041)

<140> 10/516,406

<141> 2004-12-01

<150> PCT/CA03/00820

<151> 2003-06-06

<150> 60/386,818

<151> 2002-06-06

<160> 263

<170> PatentIn version 3.1

<210> 1

<211> 148

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> consensus sequence of a subfamily of Alu repeats having accession
number U14570

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ggccggggcgc ggtggctcac gcctgtaatc ccagcacttt gggaggccga ggcgggtgga 60

tcatgaggtc aggagatcga gaccatcctg gctaacaagg tgaaaccccg tctctactaa 120

aaatacaaaa aattagccgg gcgcggtg

148

<210> 2

<211> 20

<212> DNA

<213> Artificial

<220>

<223> primer 'Alu For' (see Example 1)

<400> 2

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<210> 3

<211> 20

<212> DNA

<213> Artificial

<220>

<223> primer 'Alu Rev' (see Example 1)

<400> 3

ggagggtggtt tgcacaatct

20

<210> 4

<211> 24

<212> DNA

<213> Artificial

<220>

<223> primer '1MF' (see Example 2)

<400> 4

cagcgtacac atacacagaa gaga

24

<210> 5

<211> 23

<212> DNA

<213> Artificial

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<223> primer '1MR' (see Example 2)

<400> 5

ttcctagtca ccaagtcata gca

23

<210> 6

<211> 109
<212> DNA
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<220>
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<223> Alu sequence cloned from Sch74-E52m/Sch74-E51m (see Figure 4)

<400> 6
cagctcactg caacctccgc ctctgggatt caagcgattt tccgcctta gcctcctgag 60
taactgggac tagaggcagg taccaccacg cccagctaatt tttgtatt 109

<210> 7
<211> 109
<212> DNA
<213> Homo sapiens

<220>
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<223> Alu sequence cloned from BD43-E78m/BD43-E83m (see Figure 4)

<400> 7
cggctcaatg caacctcagc ctctggggtt caagcaattc tcctgtctca gcctcccgag 60
tagctgggat tacaggcaca tgccaccatg cccaactaat tttgtatt 109

<210> 8
<211> 109
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BD43-E78m (see Figure 4)

<400> 8
cggctcaatg caacctcagc ctctggggtt caagcaattc tcctgtctca gcctcccgag 60
tagctgggat tacaggcaca tgccaccatg cccaactaat tttgtatt 109

<210> 9
<211> 109
<212> DNA
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<220>
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<223> Alu sequence cloned from BD34-D19M (see Figure 4)

<400> 9
tggctcactg taacctctgc ctctgggtt caagtaattc tcctgtctca gcctcctgag 60
tagctaggat tactggtgcc cgccaccatg cccggcaaatt tttgtatt 109

<210> 10
<211> 109
<212> DNA
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<220>
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<223> Alu sequence cloned from BD34-E62m_ (see Figure 4)

<400> 10
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tagctaggat tactggtgcc cgccaccatg cccggcaaatt tttgtatt 109

<210> 11
<211> 109
<212> DNA
<213> Homo sapiens

<220>
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<223> Alu sequence cloned from BD43-15m (see Figure 4)

<400> 11
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109

<210> 12
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<223> Alu sequence cloned from Ctrl57-E5m (see Figure 4)

<400> 12
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tagctgggac cacagacgtg tgccaccatg cctgggtaatt tttcatatt 109

<210> 13
<211> 110
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BD43-RevE7m (see Figure 4)

<400> 13
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tagctgggat tacagatgcc caccaacaca ccaggctaatt ttttgtatt 110

<210> 14
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<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BD43-RevE77m (see Figure 4)

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tagctgggat tacagatgcc caccaacaca ccaggctaatt ttttgtatt 110

<210> 15
<211> 110
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BD34-A14M (see Figure 4)

<400> 15
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tagctgggac tacaggcgcc cgccaccacg cccagctaatt ttttgtatt 110

<210> 16
<211> 110
<212> DNA
<213> Homo sapiens

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<221> misc_feature
<223> Alu sequence cloned from Ctrl57-E3m (see Figure 4)

<400> 16
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tagctgggac tacaggcgcc cgccaccacg cccggctaatt ttttgtatt 110

<210> 17
<211> 110
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<223> Alu sequence cloned from Sch74-E318m (see Figure 4)

<400> 17

tggtcactg caacctccgc ctcccaggtt caagcaattc tcctgcctca gtctcccgag 60

tagctgggac taccggcgag tgctaccatg cctgcgtaat tttttgtact 110

<210> 18

<211> 110

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from Sch74-E318_m (see Figure 4)

<400> 18

tggtcactg caacctccgc ctcccaggtt caagcaattc tcctgcctca gtctcccgag 60

tagctgggac taccggcgag tgctaccatg cctgcgtaat tttttgtact 110

<210> 19

<211> 110

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from Ctrl57-E4m (see Figure 4)

<400> 19

tggtcactg caacctccgc ctcccaggtt caagcaattc tcctgcctca gtctcccgag 60

tagctgggac taccggcgag tgctaccatg cctgcgtaat tttttgtact 110

<210> 20

<211> 110

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from BD43-E79m (see Figure 4)

<400> 20

cagctcactg caacctccgt ttcccagggtg caaccgattc tcctgcctca gacctctgaa 60

gcggctggga ctacagggtgc ctgccacctc acccgggctaa ttttgtatt 110

<210> 21

<211> 108

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from Ctrl57-E6m (see Figure 4)

<400> 21

cagctcacca caacctccgc ctctggggtt ccagcgattc tcctgcctcg gcctccaag 60

tagctgggat tacaggcacg caccaatata cctgggctaatt tttgtatt 108

<210> 22

<211> 108

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from Ctrl57-E6m (see Figure 4)

<400> 22

cagctcacca caacctccgc ctctggggtt ccagcgattc tcctgcctcg gcctccaag 60

tagctgggat tacaggcacg caccaatata cctgggctaatt tttgtatt 108

<210> 23

<211> 110

<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from Ctrl50-RevE169m (see Figure 4)

<400> 23

cagctctcca caacctccgc catcgtgggt tccagcagat tctcctgcct cggcctccca 60

agtagctggg aatacaggca cgctccaata cacctggcta attatgtatt 110

<210> 24

<211> 109

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from Sch56-E283m (see Figure 4)

<400> 24

cagctcaccg caacctttgc ctacagggt caagtgattc tcatgcttga tctaccaag 60

tagctgggat tacaggcaca tgccatcatg ctgagctaac ttgggtatt 109

<210> 25

<211> 109

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from Sch56-r-37m (see Figure 4)

<400> 25

cagctcaccg caacctttgc ctacagggt caagtgattc tcatgcttga tctaccaag 60

tagctgggat tacaggcaca tgccatcatg ctgagctaac ttgggtatt 109

<210> 26
<211> 105
<212> DNA
<213> Homo sapiens

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<223> Alu sequence cloned from Sch56-E32m (see Figure 4)

<400> 26
cacgtcactg taatgtccat ctcccggtt caggtgattc tcctgcccc gcctcctgag 60
tagctgtaca ggcgtgcacc accatgcccg actaatttt gtact 105

<210> 27
<211> 98
<212> DNA
<213> Homo sapiens

<220>
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<223> Alu sequence cloned from Ctrl50-E166m (see Figure 4)

<400> 27
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tagctaggat tacaggcaca cctggctaatt ttgtggt 98

<210> 28
<211> 110
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from Ctrl50-E49m (see Figure 4)

<400> 28
cgactcattg caacctctgc ctctgggtt taagccgttc tcatgcctca gcctcccgac 60

gtagctggga ttataggcat gcgccaccac ccccagctaa ttttgtatt

110

<210> 29

<211> 589

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-130_m37_SZ (see Figure 3)

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gcagacgcgt tacgtatcgg atccagaatt cgtgattgga ggggtgttgc acaatctcag 120

ctcaccgaaa cctccgcctc acaggttcaa gtgattcctc tgcctcagcc ttctgagtag 180

ctaggatgac aagcatttgc catgatacct ggctaatttt gtatttttag tagagaccag 240

gattcttcat gttgataagg tggttcttga actcctgacc tcagatgatc catctgattt 300

ggcctcccaa actgctggga gtacaggcaa tctgaattcg tcgacaagct tctcgagcct 360

aggctagctc tagaccacac gtgtgggggc ccgagctcgc ggccgctgta ttctatagtg 420

tcacctaaat ggccgcacaa ttactggcc gtcgttttac aacgtcgtga ctgggaaaac 480

cctggcgta cccaacttaa tcgccttgca gcacatcccc ctttccagc tggcgtaata 540

gacgaagagg cccgcaccga tcgcccttcc caacagttgc gcaagcctg 589

<210> 30

<211> 612

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-140_m48_SZ (see Figure 3)

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catgctgcag acgcgttacg tatcggatcc agaattcgtg attgcctgta ctcccagcag 120
tttgggaggc tgaggtaggt ggatcacgag gtcaggagtt ctgacacg ctggccaaca 180
gggtgaaacc atgtctctac taaaaataca aaaattagtc aggcgtggtg gtgggcacct 240
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agcctaggct agctctagac cacacgtgtg ggggcccag ctgcggccg ctgtattcta 420
tagtgtcacc taaatggccg cacaattcac tggccgtcgt ttacaacgt cgtgactggg 480
aaaacctggc gttaccaac ttaatgcct tgcagcacat cccctttcg ccagctggcg 540
taatagcgaa gaggcccgca ccgatcgccc tcccacagt tgcgcagcct gaatggcgaa 600
tggaattgt aa 612

<210> 31

<211> 602

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-150_m48_SZ (see Figure 3)

<400> 31

ctatgacat gattacgcca agctctaata cgactacta tagggaaagc tcgtaccac 60
gcatgctgca gacgcgttac gtatcggatc cagaattcgt gattgcctgt actcccagca 120
gtttgggagg ccaaatcaga tggatcatct gaggtcagga gttaagaac caccttatca 180
acatgaagaa tcctgtctc tactaaaagt acaaattag ccaggtatca tggcaaatgc 240
ttgtatcct agctactcag aaggctgagg cagaggaatc actgaacct gtgaggcgga 300

ggtttcggtg agctgagatt gtgcaaacac cctccaatct gaattcgctg acaagcttct 360
 cgagcctagg ctagctctag accacacgtg tgggggcccc agctcgcggc cgctgtattc 420
 tatagtgtca cctaaatggc cgcacaattc actggccgtc gttttacaac gtcgtgactg 480
 ggaaaaccct ggcgttacct aacttaatcg ccttgacgca catccccctt tcgccagctg 540
 gcgtaatagc gaagaggggc gcaccgatcg ccctccaac agttgcgcag cctgaatggc 600
 ga 602

<210> 32
 <211> 620
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Alu sequence cloned from E-154_m56_SZ (see Figure 3)

<400> 32
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 gcatacgcgt tacgtatcgg atccagaatt cgtgattgga ggggtgttgc acaatctcag 120
 ctcactgcaa cctccacctc ccaggctcaa tgatcctccc acctcaactc ccccgagtaa 180
 ctgggaccac aggtgcatgc cagcatgccc agctaatttt tgtattttct gttgagatgg 240
 ggttttgcc a tgttgcccag gcaggtctcg aactgctggg ctcaagtgat cctcctgcct 300
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 gtcacctaaa tggccgcaca attcactggc cgtcgtttta caacgtcgtg actgggaaaa 480
 ccctggcgtt acccaactta atcgccctgc agcacatccc cctttcgcca gctggcgtaa 540
 tagcgaagag gcccgcaccg atcgcccttc ccaacagtig cgcagcctga atggcgaatg 600
 gaaattgtaa gcgttaatat 620

<210> 33
<211> 598
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-178_m74_SZ (see Figure 3)

<400> 33
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gtaccacgca tgctgcagac gcgttacgta tcggatccag aattcgtgat tggagggtgt 120
ttgcacaatc ttggctcact gcaacctccg cctcccggtt tcaagagatt ctctgcctc 180
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agcttctga gcctaggcta gcttagacc acacgtgtgg gggcccgagc tcgcgccgc 420
tgtattctat agtgtcacct aaatggccgc acaattcact ggccgtcgtt ttacaacgtc 480
gtgactggga aaaccctggc gttaccaac ttaatgcct tgcagcatat cccctttcg 540
ccagctggcg taatagcgaa gaggccgca ccgatgccc ttccaacag ttgcgcag 598

<210> 34
<211> 692
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-191_m34-4_BD (see Figure 3)

<400> 34
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cagacgcgtt acgtatcgga tccagaattc gtcgatctga attcgtcgac aagcttctcg 120
 agcctaggct agctctagac cacacgtgtg ggggcccag ctcgcggccg ctgtattcta 180
 tagtgtcacc taaatggccg cacaattcac tggccgtcgt ttacaacgt cgtgactggg 240
 aaaaccctgg cgttacccaa cttaatgcc ttgcagcaca tcccccttc gccagctggc 300
 gtaatagcga agaggccgc accgatcgcc ctccaaca gtgcgcagc ctgaatggcg 360
 aatggaaatt gtaagcgta atatttgtt aaaattcgcg ttaaatttt gttaaatcag 420
 ctcatTTTT aaccaatagg ccgaaatcgg caaaatccct tataaatcaa aagaatagac 480
 cgagataggg ttgagtgtt gtccagttt ggaacaagag tccactatta aagaacgtgg 540
 actccaacgt caaaggcgga aaaaccgtct atcaggcgga tggcccacta cgtgaacat 600
 caccctaac aagtttttg ggtcgagggt ccgtaaagca ctaaatcgga accctaaagg 660
 gagccccga ttagagctt gacggggaaa gc 692

<210> 35
 <211> 530
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Alu sequence cloned from E-221_m37_SZ (see Figure 3)

<400> 35
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 acgcatgctg cagacgcgtt acgtatcgga tccagaattc gtgattgcct gtactccag 120
 cagtttggga ggccaaatca gatgatcat ctgaggtcag gagttaaga accaccttat 180
 caacatgaag aatcctggtc tctactaaaa atacaaaatt agccaggtat catggcaaat 240
 gcttgtcatc ctagctactc agaaggctga ggcagaggaa tcacttgaac ctgtgaggcg 300
 gaggtttcgg tgagctgaga ttgtgcaaac accctccaat ctgaattcgt cgacaagctt 360

ctcgagccta ggctagctct agaccacacg tgtggggggcc cgagctcgcg gccgctgtat 420

tctatagtgt cacctaaatg gccgcacaat tcttgccg tcgttttaca acgtcgtgac 480

tgggaaaacc ctggcggttac ccaacttaat cgccttgcag cacatcccc 530

<210> 36

<211> 600

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-244_m48_SZ (see Figure 3)

<400> 36

ccgtatgacc atgattacgc caagctctaa tacgactcac tatagggaaa gctcgttacc 60

acgcatgctg cagacgcgtt acgtatcgga tccagaattc gtgattggag ggtgtttgca 120

caatctcagc tcaccgaaac ctccgcctca caggttcaag tgattcctct gcctcagcct 180

tctgagtagc taggatgaca agcatttgcc atgatactg gctaatttg tatitttagt 240

agagaccagg attcttcatg ttgataaggt ggttcttgaa ctctgacct cagatgatcc 300

atctgatttg gcctcccaaa ctgctgggag tacaggcaat ctgaattcgt cgacaagctt 360

ctcgagccta ggctagctct agaccacacg tgtggggggcc cgagctcgcg gccgctgtat 420

tctatagtgt cacctaaatg gccgcacaat tcttgccg tcgttttaca acgtcgtgac 480

tgggaaaacc ctggcggttac ccaacttaat cgccttgcag cacatcccc ttccgagc 540

tggcgtaata gcgaagaggc cgcaccgatc gcccttccca acagttgcgc agcctgaatg 600

<210> 37

<211> 586

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-246_m48_SZ (see Figure 3)

<400> 37

ctatgaccat gattacgcc a gctctaata ccgactcact atagggaag ctcggtacca 60

cgcatgctgc agacgcgta cgtatcggat ccagaattcg tgattggagg gtgtttgcac 120

aatctcggct cactgcaacc tccacctccc aggttcaagc aattctcctg cctcagcctc 180

ccaagtagct gagattacag ggggctgcca tcatgcctgg ctaattttg tatttttact 240

aaagacgggg tttgccatg ttggccaggc tgttctcaa ctcctgactt caggtgatcc 300

acctgcctca gcctccaaa ctgctgggag tacaggcaat ctgaattcgt cgacaagctt 360

ctcagccta ggctagctct agaccacacg tgtgggggcc cgagctcgcg gccgctgtat 420

tctatagtgt cacctaaatg gccgcacaat tcactggccg tcgttttaca acgtcgtgac 480

tgggaaaacc ctggcggtac ccaacttaat cgccttgcag cacatcccc ttcgccagc 540

tggcgtaata gcgaagaggc ccgcaccgat cgcccttccc aacagt 586

<210> 38

<211> 560

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-251_m48_SZ (see Figure 3)

<400> 38

catgattacg ccaagctcta atacgactca ctataggga agctcgggtac cacgcatgct 60

gcagacgcgt tacgtatcgg atccagaatt cgtgattcgg aggggtgttg cacaatcttg 120

actaactgca acatctgcct cccaggttca agcaattctg cctcagcttc ctgagcagct 180

gggattacag atgagcacta ccatgacagg ctaattttta tatttttagt agaggcgggg 240

tttcacatg ttggccaggc tggtcatgaa ctctgacct caggtgattc acctgcctca 300
gcctcccaaa ctgctgggaa tctgaattcg tcgacaagct tctcgagcct aggctagctc 360
tagaccacac gtgtgggggc ccgagctcgc ggccgctgta ttctatagtg tcacctaaat 420
ggccgcacaa ttactggcc gtcgttttac aacgtcgtga ctgggaaaac cctggcgta 480
cccaacttaa tcgccttgca gcacatcccc ctttcgccag ctggcgtaat agcgaagagg 540
cccgaccga tcgcccttc 560

<210> 39
<211> 581
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-252_m48_SZ (see Figure 3)

<400> 39
cgatatgacc atgattacgc caagctctaa tacgactcac tatagggaaa gctcgttacc 60
acgcatgctg cagacgcgtt acgtatcgga tccagaattc gtgattggag ggtgtttgca 120
caatctcagc tcaccgaaac ctccgcctca caggttcaag tgattcctct gcctcagcct 180
tctgagtagc taggatgaca agcatttgcc atgatactg gctaattttg tatttttagt 240
agagaccagg attcttcattg ttgataaggt ggttcttgaa ctctgacct cagatgatcc 300
atctgatttg gcctcccaaa ctgctgggag tacaggcaat ctgaattcgt cgacaagctt 360
ctcgagccta ggctagctct agaccacacg tgtgggggcc cgagctcgcg gccgctgtat 420
tctatagtgt cacctaaatg gccgcacaat tcactggccg tcgttttaca acgtcgtgac 480
tggggaaaac cctggcgta cccaacttaa tcgccttgca gcacatcccc ctttcgccag 540
ctggcgtaat agcgaagagg ccgcaccga tcgcccttc c 581

<210> 40
<211> 571
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-2531_m48_SZ (see Figure 3)

<400> 40
cagctatgac catgattacg ccaagctcta atacgactca ctataggga agctcggtag 60

cacgcatgct gcagacgcgt tacgtatcgg atccagaatt cgtgattgcc tgtactccca 120

gcagtttggg aggctgaggc aggtgaatca cctgaggta ggagttcatg accagcctgg 180

ccaacatggt gaaacccgc ctctactaaa aatataaaaa ttagcctgtc atggtagtgc 240

tcattctgtaa tccagctgc tcaggaagct gaggcagaat tgcttgaacc tgggaggcag 300

atgttcagct tagtcaagat tgtgcaaaca cctccaatc tgaattcgtc gacaagcttc 360

tcgagcctag gctagctcta gaccacacgt gtggggggccc gagctcgcgg ccgctgtatt 420

ctatagtgtc acctaatgg ccgcacaatt cactggccgt cgttttacaa cgctgtgact 480

gggaaaacc tggcgttacc caactaatc gccttgagc acatccccct ttcgccagct 540

ggcgtaatag cgaagagggc cgcaccgatc g 571

<210> 41
<211> 599
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (575)..(575)
<223> n is a, g, c, or t

<220>
<221> misc_feature

<223> Alu sequence cloned from E-2532_m48_SZ (see Figure 3)

<400> 41

ctatgacat gattacgcca agctctaata cgactcacta tagggaaagc tcggtaccac 60
gcatgctgca gacgcgttac gtatcggatc cagaattcgt gattgcctgt actcccagca 120
gtttgggagg ctgaggcagg tgaatcacct gaggtcagga gtatcatgacc agcctggcca 180
acatggtgaa acccgcctc tactaaaaat ataaaaatta gcctgtcatg gtagtgctca 240
tctgtaatcc cagctgctca ggaagctgag gcagaattgc ttgaaccttg ggaggcagat 300
gttgcaagttg tgcaaacacc ctccaatctg aattcgtcga caagcttctc 360
gagcctaggg tagctctaga ccacacgtgt gggggcccga gctcgcggcc gctgtattct 420
atagtgtcac ctaaattgcc gcacaattca ctggccgtcg tttacaacg tcgtgactgg 480
gaaaaccctg gcgttaccca acttaatcgc cttgcagcac atccccctt cgccagctgg 540
cgtaatagcg aagaggcccg caccgatcgc ccttccaac agttgcgcag cctgaatgg 599

<210> 42

<211> 500

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-258_m48_SZ (see Figure 3)

<400> 42

ccatagatc atgattacgc caagctctaa tacgactcac tatagggaaa gctcgggtacc 60
accgcatgct gcagacgcgt tacgtatcgg atccagaatt cgtgattgga ggggtgttgc 120
acaatcttgg ctactgcaa cctctgcccc ccaggttcaa acgattctcc tgcctcagcc 180
tcccagtag ctgggattat aggcacctgc caccacgccc agctaatttt ttgcattttt 240
agtagagacg gggtttcaat atgttggcca ggctgggtcta gaactcctga ccttgtgatc 300

cgcccgctt ggctcccaa actgctggga gtaatctgaa ttcgtcgaca agcttctcga 360

gcctaggcta gctctagacc acacgtgtgg gggcccgagc tcgcgggccgc tgtattctat 420

agtgtcacct aaatggccgc acaattcact ggccgtcgtt ttacaacgtc gtgactggga 480

aaaccctggc gttaccaac 500

<210> 43

<211> 510

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-261_m50_Ctrl (see Figure 3)

<400> 43

tgacctgat tacgccaagc tctaatacga ctactatag ggaaagctcg gtaccacgca 60

tgctgcagac gcgttacgta tcggatccag aattcgtgat tggagggtgt ttcgcacaat 120

ctcagctcac cgaaacctcc gcctcacagg ttcaagtgat tcctctgcct cagccttctg 180

agtagctagg atgacaagca ttgccatga tacctggcta atttgtatt ttagtagag 240

accaggattc ttcattgtga taagggtggt cttgaactcc tgacctcaga tgatccatct 300

gatttggcct cccaaactgc tgggagtaca ggcaatctga attcgtcgac aagcttctcg 360

agcctaggct agctctagac cacacgtgtg ggggcccag ctcgcggccg ctgtattcta 420

tagtgtcacc taaatggccg cacaattcac tggccgtcgt ttacaacgt cgtgactggg 480

aaaaccctgg cgttaccxaa cttaatcgcc 510

<210> 44

<211> 520

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-267_m50_Ctrl (see Figure 3)

<400> 44

ttacgccaag ctctaatacg actcactata gggaaagctc ggtaccacgc atgctgcaga 60

cgcgttacgt atcggatcca gaattcgtga ttgcctgtac tcccagcagt ttgggaggcc 120

aaatcagatg gatcatctga ggtcaggagt tcaagaacca cttatcaac atgaagaatc 180

ctggtctcta ctaaaaatac aaaattagcc aggtatcatg gcaaattgctt gtcacctag 240

ctactcagaa ggctgaggca gaggaatcac ttgaacctgt gaggcggagg ttccggtgag 300

ctgagattgt gcaaacaccc tccaatctga attcgtcgac aagcttctcg agcctaggct 360

agctctagac cacacgtgtg ggggcccagc ctgcggccg ctgtattcta tagtgcacc 420

taaatggccg cacaattcac tggccgtcgt ttacaacgt cgtgactggg aaaaccctgg 480

gcgttaccca acttaatcgc cttgcagcac atccccctt 520

<210> 45

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (11)..(11)

<223> n is a, g, c, or t

<220>

<221> misc_feature

<223> Alu sequence cloned from E-269_m50_Ctrl (see Figure 3)

<220>

<221> misc_feature

<222> (16)..(16)

<223> n is a, g, c, or t

<400> 45
cttccaaagg ntaagntcta atattactca ctataggga agctcgccc cactcatgct 60
gcagacgcgt tacgtattgg atccagaatt cgcgattgga ggggtgttgt acaatctctg 120
ctcaccgaaa cctccgcctc acaggttcaa gtgatccctc tgcctcagcc ttctgagtag 180
ctaggatgac aagcatttgc catgatacct ggctaatttt gtatttttag tagagaccag 240
gattctttta tgttgataag gcggttctg aactcctgac ctgagattga ttcattctgat 300
ttggcctccc aaactgctgg gagtacaggc aatctgaatt cgtcaacaag cttct 355

<210> 46
<211> 601
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-285_m56_SZ (see Figure 3)

<400> 46
ggtgagagat tacgccaagc tctaatacga ctactatag ggaaagctcg gtaccacgca 60
tgctgcagac gcgttacgta tcggatccag aattcgtgat tgcctgtact cccagcagtt 120
tgggaggctg aagtgggttg attacccgag gtcaggagtt ccagaccagg ttgaccaaca 180
tggagaaacc ctgtctctac taaaataca aaattagcca ggtgtattgg tgcgtgcctg 240
tattccagc tacttgggag gccgaggcag gagaatcgct ggaaccagg aggcgagggt 300
tgtggtgagc tgagattgtg caaacacccc ccaatctgaa ttcgtcgaca agcttctcga 360
gcctaggcta gctctagacc acacgtgtgg gggcccagc tcgcggccgc tgtattctat 420
agtgtcacct aaatggccgc acaattcact ggccgtcgtt ttacaacgtc gtgactggga 480
aaaccctggc gttaccaaac ttaatgcct tgcagcacat cccctttcg ccagctggcg 540
taataagcga agaggcccg accgatcgcc ctttccaaca gttgcgcaag cctgaatggc 600

<210> 47
<211> 600
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-286_m56_SZ (see Figure 3)

<400> 47
gttctaatac gactcactat agggaaagct cgggtaccacg catgctgcag acgcgttacg 60
tatcggatcc agaattcgtg attggagggt gttgcacaa ttcagctca ccgaaacctc 120
cgcctcacag gttaagtga ttctctgcc tcagccttct gagtagctag gatgacaagc 180
atttgccatg atacctggct aattttgtat ttttagtaga gaccaggatt cttcatgttg 240
ataagggtgt tcttgaactc ctgacctcag atgatccatc tgatttggcc tcccaaactg 300
ctgggagtac aggcaatctg aattcgtcga caagcttctc gacgctaggc tagctctaga 360
ccacacgtgt gggggcccga gctcgcggcc gctgtattct atagtgtcac ctaaattggcc 420
cgcacaattc actggccgtc gttttacaac gtcgtgactg ggaaaaccct ggcgttaccc 480
aacttaatcg cttgcagca catccccctt tcgccagctg gcgtaatagc gaagaagccc 540
gcaccgatcg cccttcccaa cagttgcgca gcctgaatgg cgaatggaaa ttgtaagcgt 600

<210> 48
<211> 400
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-287_m56_SZ (see Figure 3)

<400> 48

taattaactc actatagga aagctcggga gcacgcatgc tgcatacgcg tttcgtatct 60
ggatccagaa ttcgcgattg cctgtactcc cagcagtttg ggaggccaaa tcagatggat 120
catctgaggc caggagtcca agaaccacct tatcaacatg aataatcctg gtctctacta 180
aaaatacgaa attagccagg tatcatggaa aatgcttgct atcctagcta ctcagaaggc 240
tgaggcagag gaatcacttg aacctgtgag gcggaggttt cggtagctg agattgggca 300
aacaccctcc aatctgaatt cgtccgacaa gcttctcgag cctaggctag ctctagacca 360
cacgctggg ggcccagct cgcgccgct gtattctatt 400

<210> 49

<211> 453

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (15)..(15)

<223> n is a, g, c, or t

<220>

<221> misc_feature

<223> Alu sequence cloned from E-288_m56_SZ (see Figure 3)

<400> 49

gttcagatct aatangactc actatcggga aagctcggca ccacgcatgc tgcagacgcg 60
ttacgtatcc ggatccatga attcgtgatt gcctgtactc ccagcagttt gggaggccaa 120
atcagatgga tcatctgagg tcaggagttc aagaaccacc ttatcaacat gaagaatcct 180
ggtctctact aaaaatacaa aattagccag gtatcatggc aaatgcttgt catcctagct 240
actcagaagg ctgaggcaga ggaatcactt gaacctgtga ggcgagggtt tcggtagct 300
gagattgtgc aaacaccctc caatctgaat tcgtcgacaa gcttctcgag cctaggctag 360

ctctagacca cacgtgtggg ggccccgagct cgcggccgct gcattctata gtgtcaccta 420

aatggccgca caattcactg gccgtcgttt tta 453

<210> 50

<211> 601

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-289_m56_SZ (see Figure 3)

<400> 50

ttacgccaaag ctctaatacg actcactata gggaaagctc ggtaccacgc atgctgcaga 60

cgcgttacgt atcggatcca gaattcgtga ttgcctgtac tcccagcagt ttgggaggcc 120

aaatcagatg gatcatctga ggtcaggagt tcaagaacca ccttatcaac atgaagaatc 180

ctggtctcta ctaaaaatac aaaattagcc aggtatcatg gcaaatgctt gtcacctag 240

ctactcagaa ggctgaggca gaggaatcac ttgaacctgt gaggcggagg ttccggtgag 300

ctgagattgt gcaaacaccc tccaatctga attcgtcgac aagcttctcg agcctaggct 360

agctctagac cacacgtgtg ggggccccgag ctgcggccg ctgtattcta tagtgcacc 420

taaatggccg cacaattcac tgggccgtcg tttacaacg tcgtgactgg gaaaaccctg 480

gcgttaccca acttaatcgc cttgcagcac atccccctt cgccagctgg cgtaatagcg 540

aagaggccgc accgatgcc cttccaaca gttgcgcagc ctgaatggcg aatggaaatt 600

g

601

<210> 51

<211> 580

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-290_m56_SZ (see Figure 3)

<400> 51

atattgatca tgattacgcc aacgctctaa tacgactcac tatagggaaa gtcggtacc 60

acgcatgctg cagacgcgtt acgtatcgga tccagaattc gtgattgcct gtactccag 120

cagtttggga ggctgaagtg ggttgattac ccgaggtcag gagttacaga ccaggttgac 180

caacatggag aaacctgtc tctactaaaa atacaaaatt agccaggtgt attggtgcgt 240

gcctgtaac ccagctactt gggaggccga ggcaggagaa tcgctggaac ccaggaggcg 300

gaggttgagg tgagctgaga ttgtgcaaac accctcaat ctgaattcgt cgacaagctt 360

ctcagaccta ggctagctct agaccacacg tgtggggggc cgagctcgcg gccgctgtat 420

tctatagtgt cacctaaatg gccgcacaat tcaactggccg tcgttttaca acgtcgtgac 480

tgggaaaacc ctggcggtac ccaacttaat cgccttgag cacatcccc ttccgccagc 540

tggcgtaata gcgaagaggc ccgcaccgat cgcccttccc 580

<210> 52

<211> 579

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (469)..(469)

<223> n is a, g, c, or t

<220>

<221> misc_feature

<223> Alu sequence cloned from E-291_m56_SZ (see Figure 3)

<220>

<221> misc_feature

<222> (490)..(490)

<223> n is a, g, c, or t

<220>

<221> misc_feature

<222> (508)..(508)

<223> n is a, g, c, or t

<220>

<221> misc_feature

<222> (538)..(538)

<223> n is a, g, c, or t

<220>

<221> misc_feature

<222> (550)..(550)

<223> n is a, g, c, or t

<220>

<221> misc_feature

<222> (552)..(552)

<223> n is a, g, c, or t

<220>

<221> misc_feature

<222> (557)..(557)

<223> n is a, g, c, or t

<400> 52

tgaccatgat tacgccaagc tctaatacga ctactatag ggaaagctcg gtaccacgca 60

tgctgcagac gcgttacgta tcggatccag aattcgtgat tggagggtgt ttgcacaatc 120

tcagctcacc gaaacctccg cctcacaggt tcaagtgatt cctctgcctc agccttcaga 180

gtagctagga tgacaagcat ttgcatgat acctggctaa tttgtattt ttagtagaga 240

ccaggattct tcatgttgat aagggtgtcc ttgaactcct gacctcagat gatccatctg 300

atttggcctc ccaaactgct gggagtacag gcaatctgaa ttctcgaca agcttctcga 360

gcctaggcta gctctagacc acaccgtgtg ggggcccag ctcgcggccg ctgtattcta 420

tagtgcacc taaatggccg cacaattcac tggccgtcgt ttacaacnt cgtgactggg 480

aaaaccctgn cgttaccca cttaatcncc ttgcagcac atccccctt cgcccagnct 540

gggcgtaatn ancgaanagg cccgcacccg atcgccct 579

<210> 53

<211> 530

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-292_m56_SZ (see Figure 3)

<400> 53

acgtcacgct ctaatacgac tcactatagg gaaagctcgg taccacgcat gctgcagacg 60

cgttacgtat cggatccaga attcgtgatt gcctgtactc ccagcagttt gggagggcaa 120

atcagatgga tcacttgagg tcaggagttc aagaaccacc ttatcaacat gaagaatcct 180

ggtctctact aaaaatacaa aattagccag gtatcatggc aaatgcttgt catcctagct 240

actcagaagg ctgaggcaga ggaatcactt gaacctgtga ggcggagggt tcggtgagct 300

gagattgtgc aaacaccctc caatctgaat tcgtcgacaa gcttctcgag cctaggctag 360

ctctagacca cacgttgtgg gggcccgagc tcgcggccgc tgtattctat agtgcacct 420

aaatgggcgc acaattcact ggccgtcgtt ttacaacgtt cgtgactggg aaaaccctgg 480

cgttaccaa cttaatgcc ttgcagcac atccccctt tcgccagct 530

<210> 54

<211> 600

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-293_m56_SZ (see Figure 3)

<400> 54

tatgaccatg attacgcaa gctctaatac gactcactat agggaaagct cggtagcacg 60
catgcttgca gacgcgttac gtatcggatc cagaattcgt gattggaggg tgtttgcaca 120
atctcagctc accgaaacct ccgcctcaca ggttcaagtg attcctctgc ctacgccttc 180
tgagtagcta ggatgacaag catttgccat gatacctggc taattttgta ttttagtag 240
agaccaggat tctcatgtt gataagggtg ttcttgaact cctgacctca gatgatccat 300
ctgatttggc ctcccaaact gctgggagta caggcaatct gaattcgtcg acaagcttct 360
cgagcctagg ctagctctag accacacgtg tggggggccg agctcgcggc cgctgtattc 420
tatagtgtca cctaatggc cgcacaattc actgggccgt cgttttaca cgtcgtgact 480
gggaaaaccc tggcgttacc caacttaatc gccttgcagc acatccccct ttcgccagct 540
ggcgtaatag cgaagaggcc gcacccgatc gcccttcca acagttgcgc agcctgaatg 600

<210> 55

<211> 580

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-294_m740_SZ (see Figure 3)

<400> 55

ttacgccacg ctctaatacg actcactata gggaaagctc ggtaccacgc atgctgcaga 60
cgcgttacgt atcggatcca gaattcgtcg attggagggt gtttgcacaa tctcagctca 120
ccgaaacctc cgcctcacag gttcaagtga ttctctgcc tcagccttct gagtagtag 180
gatgacaagc atttgccatg atacctggct aattttgtat ttttagtaga gaccaggatt 240

cttcatgttg ataaggtggt tcttgaactc ctgacctcag atgatccatc tgatttgcc 300

tcccaaactg ctgggagtac aggcaatctg aattcgctga caagcttctc gagcctaggc 360

tagctctaga ccacacgtgt gggggcccg gctcgcgcc gctgtattct atagtgtcac 420

ctaaatggcc gcacaattca ctggccgtcg tttacaacg tcgtgactgg gaaaaccctg 480

gcgttaccca acttaatcgc cttgcagcac atccccctt cgccagctgg cgtaatagcg 540

aagaggcccg caccgatcgc cttcccaac agttgcgcag 580

<210> 56

<211> 600

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-295_m740_SZ (see Figure 3)

<400> 56

tatgaccatg attacgcaa gctctaatac gactcactat agggaaagct cggtaccacg 60

catgcttgca gacgcgttac gtatcggatc cagaattcgt gattggaggg tgttgcaca 120

atctcagctc accgaaacct ccgcctcaca ggttcaagtg attcctctgc ctacgccttc 180

tgagtagcta ggatgacaag catttgccat gatacctggc taattttgta ttttagtag 240

agaccaggat tcttcatgtt gataaggtgg ttcttgaact cctgacctca gatgatccat 300

ctgatttggc ctcccaaact gctgggagta caggcaatct gaattcgctg acaagcttct 360

cgagcctagg ctatgtctag accacacgtg tgggggccc agctcgcgcc cgctgtattc 420

tatagtgtca cctaaatggg ccgcacaatt cactgggccc tcgttttaca acgtcgtgac 480

tgggaaaacc ctggcggttac ccaacttaat cgccttgcag cacatcccc ttccgacg 540

tggcgtaata gcgaagaggc ccgcaccgat cgcccttccc aacagtttgc gcagcctgaa 600

<210> 57
<211> 520
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-296_m57_Ctrl (see Figure 3)

<400> 57
caagctctaa tacgactcac tatagggaag gctcgggtacc acgcatgctg cagacgcgtt 60
acgtatcgga tccagaattc gtgattggag ggtgtttgca caatctcagc tcaactgcaac 120
ctctgcctcc tgggttcaat tcattctcct gcctcagcct tccgagtagc tgggattaca 180
ggcatgcccg gctaattttt gtatttttag cagagatcgg ggttttgcca tgttgcccag 240
gctggtctcg aactcctaac ctgtgatct gccacctcg gcctccaaa ctgctgggag 300
tacaggcaat ctgaattcgt cgacaagctt ctgagccta ggctagctct agaccacacg 360
tgtggggggc cgagctcgcg gccgctgtat tctatagtgt cacctaaatg ggccgcacaa 420
ttcactgggc cgtcgtttt acaacgtcgt gactgggaaa accctgggcg ttaccaact 480
taatcgccct tgcagcacat cccctttcg ccagcttggc 520

<210> 58
<211> 610
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-297_m740_SZ (see Figure 3)

<400> 58
tatgaccatc attacgcaa gctctaatac gactcactat agggaaagct cggtaccacg 60
catgctgcag acgcgttacg tatcggtacc agaattcgtg attggagggt gtttcacaa 120

ttcagctca ccgaaacctc cgcctcacag gtcaagtga ttcctctgcc tcagccttct 180
 gagtagctag gatgacaagc atttgccatg atacctggct aattttgtat ttttagtaga 240
 gaccaggatt ctctatgttg ataagggtgt tcttgaactc ctgacctcag atgatccatc 300
 tgatttgcc tcccaaactg ctgggagtag aggcaatctg aattcgtcga caagcttctc 360
 gagcctagcg tagctctaga ccacacgtgt gggggcccga gctcgcggcc gctgtattct 420
 atagtgtcac ctaaattggc gcacaattca ctggccgtcg tttacaacg tcgtgactgg 480
 gaaaaccctg gcgttaccca acttaatcgc ctgcagcac atccccctt cgccagctgg 540
 cgtaatagcg aagaggccgc accgatcgcc ctccaaca gtgcgcagc ctgaatggcg 600
 aatggaaatt 610

<210> 59
 <211> 499
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Alu sequence cloned from E-298_m57_Ctrl (see Figure 3)

<400> 59
 gtcccgatct aatacgactc actataggga aagctcggtg ccacgcatgc tgcagacgcg 60
 ttacgtatcg gatccagaat tcgtgattgg aggtgtttg cacaatctca gtcaccgaa 120
 acctccgcct cacaggttca agtgattcct ctgcctcagc ctctgagta gctaggatga 180
 caagcatttg ccatgatacc tggctaattt tgtattttta gtagagacca ggattcttca 240
 tcgttgataa ggtggttctt gaactcctga cctcagatga tccatctgat ttggcctccc 300
 aaactgctgg gagtacaggc aatctgaatt cgtcgacaag ctctcagac ctaggctagc 360
 tctagaccac acgtgtgggg gcccgagctc gcggccgctg tattctatag tgcacccta 420
 aatggccgca caattcactg ggccgtcgtt ttacaacgtc gtgactggga aaaccctggg 480

cgttacccca acttaatcg

499

<210> 60
<211> 383
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (368)..(368)
<223> n is a, g, c, or t

<220>
<221> misc_feature
<223> Alu sequence cloned from E-299_m57_Ctrl (see Figure 3)

<400> 60
gtcaagatcg aataggactc actataggga aagctcggta ccacgcatgc tgccgacgcg 60
ttacgtatcg gatccagaat tcgtgattgc ctgtactccc agcactttgg gagggcaaat 120
cagatggatc atctgaggtc aggagttcaa gaaccatcct tatcaacatg aagaatcctg 180
gtctctacta aaaatacaac attagccagg tatcatggca aatgcttgtc atcctagcta 240
ctcacaaggc tgaggcagag gaatcacttg aacctgtgag ggcgagggtt cggtgagctg 300
agattgtgca aacaccctcc aatctgaatt cgtcgacaag ctctctcgag cctaggctag 360
ctttaganca cacgtgtggg ggc 383

<210> 61
<211> 360
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-300_m57_Ctrl (see Figure 3)

<400> 61

gttgaacgg caagatctaa tacgactcac tatagggaaa gctcggcact acgcatgctg 60
cagacgtgtt gacgtatcgg atccagaatt cgtgattgga gggcgtttgc gcaatcttga 120
ctaactgcaa catctgcctc ccaggctcaa gcaattctgc ctcagtttgc tgagcagctg 180
ggattacaga tgagcactac catgacaggc taattttat atttttacta gaggcgggga 240
ttcaccatgt cggccagggt ggatcatgaac tcctgacctc aggcgattca cctgcctccg 300
cctcccaaac tgctgggagt acaggcaatc tgaattcgtc gacaagcttc tcgagcctag 360

<210> 62

<211> 526

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-304_m57_Ctrl (see Figure 3)

<400> 62

ctacgtacgc tctaatacga ctactatag ggaaagctcg gtaccacgca tgctgcagac 60
gcgttacgta tcggatccag aattcgtgat tggagggtgt ttgcacaatc tcagctcacc 120
gaaacctccg cctcacaggt tcaagtgatt cctctgcctc agccttctga gtagctagga 180
tgacaagcat ttgcatgat acctggctaa tttgtattt ttagtagaga ccaggattct 240
tcattgtgat aaggcgggtc ttgaactcct gacctcagat gatccatctg atttggcctc 300
ccaaactgct gggagtacag gcaatctgaa ttcgtcgaca agcttctcga gcctaggcta 360
gctctagacc acacgtgtgg gggcccagagc tcgcgccgcg tgtattctat agtgtcacct 420
aaatggcccc cacaattcac tggccgtcgt ttacaacgt cgtgactggg aaaaccctgg 480
cgttacccaa cttaatcgcc ttgcagcaca tcccccttc gccagc 526

<210> 63

<211> 460
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-305_m740_SZ (see Figure 3)

<400> 63
ttacgccaag ctctaatacg actcactata gggaaagctc ggtaccacgc atgctgcaga 60
cgcggttacgt atcggatcca gaattcgga ttggagggtg ttgcacaat ctgagctcac 120
cgaaacctcc gcctcacagg ttcaagtgat tcctctgcct cagccttctg agtagctagg 180
atgacaagca ttgccatga tacctggcta atttgtatt ttagtagag accaggattc 240
ttcatgttga taaggtggtt cttgaactcc tgacctcaga tgatccatct gatttgcct 300
cccaaactgc tgggagtaca ggcaatctga attcgtcgac aagcttctcc gaggctaggc 360
tagctctaga ccacacgtgt gggggccgag ctgcggccg ctgtattcta tagtgcacc 420
taaattggccg cacaattcac tggccgtcgt tttacaacg 460

<210> 64
<211> 452
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-308_m74_SZ (see Figure 3)

<400> 64
ttacgtcaag ctctaatacg actcactata gggaaagctc ggtaccacgc atgctgcaga 60
cgcggttacgt atcggatcca gaattcgtga ttggagggtg ttgcacaat ctgagctcac 120
cgaaatctcc gcctcacagg ttcaagtgat tcctctgcct cagccttctg agtagctagg 180
atgacaagca ttgccatga tacctggcta atttgtatt ttagtagag accaggattc 240

ttcatgttga taagggtggt ctgaactcc tgacctcaga tgatccatct gatttggcct 300

cccaaactgc tgggagtaca ggcaatctga attcgtcgac aagcttctcg agcctaggct 360

agctctagac cacacgtgtg gggggcccgag ctgcggccg ctgtattcta tagtgcacc 420

taaatggccg cacaattcac tggccgtcgt tt 452

<210> 65

<211> 419

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-309_m74_SZ (see Figure 3)

<400> 65

aggcaagatc taatacgact cactataggg aaacgctcgg taccacgcat gctgcagacg 60

cgttacgtat cggatccaga attcgtgatt gcctgtactc ccacgcagt tgggaggcca 120

aatcagatgg atcatctgag gtcaggagtt caagaaccac cttatcaaca tgaagaatcc 180

tggctctac taaaataca acattagcca ggtatcatgg caaatgcttg tcatcctagc 240

tactcagaag gctgaggcag aggaatcact tgaacctgtg aggcggaggt ttcggtgagc 300

tgagattgcg caaacaccct ccaatctgaa ttctctgac aagcttctcg agcctaggct 360

agctctagac cccacgtgtg gggggcccgag ctgccgtcg ctgtatttct atagtcgtc 419

<210> 66

<211> 500

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-310_m74_SZ (see Figure 3)

<400> 66

ttacgtcacc gctctaatac gactcactat agggaaagct cggtagcacg catgctgcag 60

acgcgttacg tatcggatcc agaattcgtg attggagggt gtttgacaaa ttcagctca 120

ctgcaacctc tgcctctcag gttaagtga ttctcctgcc tcctcctccc cagtagctgg 180

gtttacaggc atgcaccacc acagctggct aatttttgta ttttagtag agatggggtt 240

tcaccatgtt ggacaggcta gtctgaact cctgacctca agtgatccac ccgcctcagc 300

ctctcaaact gctgggagta caggcaatct gaattcgtcg acaagcttct cgagcctagg 360

ctagctctag accacacgtg tgggggcccc agctcgcggc cgctgtattc tatagtgtca 420

cctaaatggg ccgcacaatt cactggccgt ccgtttaca acgtccgtga ctgggaaaac 480

cctggcgta cccaactaa 500

<210> 67

<211> 480

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-311_m74_SZ (see Figure 3)

<400> 67

aaacgccaaag ctctaatacg actcactata gggaaagctc ggtaccacgc atgctgcaga 60

cgcgttacgt atcggatcca gaattcgtga ttgcctgtac tcccagcagt ttgggaggcc 120

gaggtgggtg gatcacctga ggctgagagt tcgagaccag cctagccaac atggtgaaac 180

cctgtctcta ctaaaaatac aaaaattagc caggcaaggc agcacacgcc tgtaattcca 240

cctactcggg atgctgaggc atgagaatcg ctgaaacctg ggaggtggag ctgacagtga 300

actgagattg tgcaaacacc ctcaatctga attcgtcgac aagcttctcg agcctaggct 360

agctctagac cacacgtgtg gggggcccgag ctcgccggcc gctgtattct attagtgtca 420

cctaaatggg ccgcacaatt cactggccgt ccgtttaca acgtcgtgac tgggaaaacc 480

<210> 68

<211> 390

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-312_m74_SZ (see Figure 3)

<400> 68

cgaatacgac tactatacgg aaagctcgt accacgcatg ctgcacacgc gttacgcatc 60

ggatccagaa ttcgtgattg cctgtactcc cagcagtttg ggagggcaaa tcagatggat 120

catctgaggt caggagtcca agaaccacct tatcaacatg aagaatcctg gtctctacta 180

aaaatacaaa attagccagg tatcatcggc aaatgcttcg tcaccttagc tactcagaag 240

gctgaggcag aggagtcaat tgaacctgtg aggcggagga aacggcgaga tgagattgtg 300

caaacacct ccaattigaa attcgtcgac aagcttctcc gagctctagg ctgctctag 360

accacacgt gtgggggccc cgagctcgcg 390

<210> 69

<211> 547

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-313_m74_SZ (see Figure 3)

<400> 69

tatgacatga ttacgccaag ctctaatacg actcactata gggaaagctc ggtaccacgc 60

atgctgcaga cgcgttacgt atcggatcca gaattcgtga ttgcctgtac tcccagcagt 120

ttgggaggct gagacaggtg gaacacttga ggccaggagt ttgcaaccag cctggccaac 180

atggtgaaac cctatctcta ccacaaaaa aaaaaaaaaa aaaaaaaaaa aaaaattagc 240
 ctggcatggt ggtgcgtgcc tgtaatccca gctactcagg aggctgaggc acgagaatcg 300
 ctgaacccg gtgggcaagg gttgcagcga tccgagattg tgcaaacacc ctccaatctg 360
 aattcgtcga caagcttctc gagcctaggc tagctctaga ccacacgtgt gggggcccga 420
 gctcgcggcc gctgtattct atagtgtcac ctaaattggc gcacaattca ctggccgtcg 480
 tttacaacg tcgtgactgg gaaaaccctg gcgttaccca acttaatcgc ctgcagcac 540
 atcccc 547

<210> 70
 <211> 579
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Alu sequence cloned from E-315_m74_SZ (see Figure 3)

<400> 70
 tgattacgcc aagctcta acgactcact atagggaag ctcggtacca cgcatgctgc 60
 agacgcgtta cgtatcggat ccagaattcg tgattggagg gtgtttgcac aatctcggct 120
 cactgcaact tctgcctcct gggttcacac tgttctctg cctaagcctc ccaagtagct 180
 gggactacag gcgcgtgcca ccatgcccg ctaattttt gtatttttag tagagaaggg 240
 gtttcaccgt gttagccagg atggtctcga tctctgata ttgtgatcca cccgcctcgg 300
 cctctcaaac tgcgtggagt acaggcaatc tgaattcgtc gacaagcttc tcgagcctag 360
 gctagctcta gaccacacgt gtggggggccc gagctcgagg ccgctgtatt ctatagttc 420
 acctaaatgg ccgcacaatt cactggccgt cgttttacaa cgtcgtgact gggaaaaccc 480
 tggcgttacc caacttaac gccttcgagc acatccccct ttcgccagct ggcgtaatag 540
 cgaagaggcc gcaccgatcg cccttccaa cagttgcgc 579

<210> 71
<211> 563
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-314_m74_SZ (see Figure 3)

<400> 71
attacgcaa gctctaatac gactcactat agggaaagct cggtaccacg catgctgcag 60

acgcgttacg tatcggtacc agaattcgtg attggagggt gtttgcacaa tctcggctca 120

ctgcaacttc tgcctctggt gttcacactg ttctctgcc taagcctccc aagtagctgg 180

gactacaggc gcgtgccacc atgcccggct aatttttgt atttttagta gagaaggggt 240

ttcaccgtgt tagccaggat ggtctcgatc tctgatatt gtgatccacc cgcctcggcc 300

tctcaaactg ctgggagtag aggcaatctg aattcgtcga caagcttctc gagcctaggc 360

tagctctaga ccacacgtgt gggggcccga gctcgcggcc gctgtattct atagtgtcac 420

ctaaatggcc gcacaattca ctggccgtcg tttacaacg tcgtgactgg gaaaaccctg 480

gcgttaccca acttaatcgc ctgcagcac atccccctt cgccagctgg cgtaatagcg 540

aagaggccgc accgatcgcc ctt 563

<210> 72
<211> 573
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-319_m74_SZ (see Figure 3)

<400> 72
tatgacatg attacgcaa gctctaatac cgactcacta tagggaaacg ctcggtacca 60

cgcatgctgc agacgcgtta cgtatcggat ccagaattcg tgattgctg tactcccagc 120
 agtttgggag gccgaggtgg gtggatcacc tgaggtcagg agttcgagac cagcctggcc 180
 aacgtagtga aaaccccatc tctactaaaa atacaaaaaa acttagccag ggggtggtgt 240
 gggcacctat aatcccagct acttaggagg ctgaggctgg agaatcggtt gaacctggga 300
 gggagagggt gcagtgagct gagattgtgc aaacaccctc caatctgaat tcgtcgacaa 360
 gcttctcgag cctaggctag ctctagacca cacgtgtggg ggcccagct cgcgccgct 420
 gtattctata gtgtcaccta aatggccgca caattactg ggccgtcgtt ttacaacgtc 480
 gtgactggga aaaccctggc gttacccaac ttaatgcct tgcagacat cccctttcg 540
 ccagctggcg taataacgaa gaggccgcac cga 573

<210> 73
 <211> 650
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Alu sequence cloned from E-320_m74_SZ (see Figure 3)

<400> 73
 atgattacgc caagctctaa tacgactcac tatagggaaa gtcggtacc acgcatgctg 60
 cagacgcgtt acgtatcgga tctgaattcg tcgacaagct tctcgagcct aggctagctc 120
 tagaccacac gtgtgggggc ccgagctcgc ggccgctgta ttctatagtgc tcacctaaat 180
 ggccgcacaa ttactggcc gtcgttttac aacgtcgtga ctgggaaaac cctggcgta 240
 cccaacttaa tcgccttgca gcacatcccc ctttcgccag ctggcgtaat agcgaagagg 300
 cccgcaccga tcgcccttcc caacagttgc gcagcctgaa tggcgaatgg aaattgtaag 360
 cgtaatatatt ttgttaaaat tcgcgttaaa tttttgttaa atcagctcat ttttaacca 420
 ataggccgaa atcggcacaaa tcccttataa atcaaaaagaa tagaccgaga tagggttgag 480

tgttgtcca gtttgaaca agagtcact attaaagaac gtggactcca acgtcaaagg 540

gcgaaaaacc gtctatcagg gcgatggccc actacgtgaa ccatcaccct aatcaagttt 600

tttggggtcg aggtgccgta aagcactaaa tcggaaccct aaaggagacc 650

<210> 74

<211> 600

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-321_m74_SZ (see Figure 3)

<400> 74

tatgaccatg attacgcaa gctctaatac gactcactat agggaaagct cggtagaccg 60

catgctgcag acgcgttacg tatcggtacc agaattcgtg attggagggt gtttcacaa 120

tctcggtca ctgcaacttc tgctcctgg gttcacactg ttctcctgcc taagcctccc 180

aagtagctgg gactacaggc gcgtgccacc atgcccggct aatttttgt attttagta 240

gagaaggggt ttaccgtgt tagccaggat ggtctcgatc tcctgatatt gtgatccacc 300

cgctcggcc tctcaaactg ctgggagtag aggcaatctg aattcgtcga caagcttctc 360

gagcctaggc tagctctaga ccacacgtgt gggggccga gctcgcggcc gctgtattct 420

atagtgtcac ctaaattgcc gcacaattca ctgggccgtc gttttacaac gtcgtgactg 480

ggaaaaccct ggcgttacc aacttaatcg ccttgacga catccccctt tcgccagctg 540

gcgtaatagc gaagaggccc gcacccgac gcccttccca acagttgcgc agcctgaatg 600

<210> 75

<211> 600

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-322_m74_SZ (see Figure 3)

<400> 75

acgtacgctc taatacgaact cactataggg aaagctcggg accacgcatg ctgcagacgc 60

gttacgtatc ggatccagaa ttcgtgattg gaggggtgtt gcacaatctt ggctcactgt 120

aacctctgcc tcttgggttc aagtaattct cctgtctcag cctcctgagt agctaggatt 180

actggtgccc gccaccatgc ccggcgaatt ttgtatttt tagtagagat ggggtttcac 240

tatgttcccc aggggtgtct caaactcctg acctcaagtg atccacctgc ttcagcttcc 300

caaactgctg ggagtacagg caatctgaat tcgtcgacaa gcttctcgag cctaggctag 360

ctctagacca cacgtgtggg ggcccagact cgcggccgct gtattctata gtgtcaccta 420

aatggccgca caattcactg gccgtcgttt tacaacgtcg tgactgggaa aacctggcg 480

ttaccaact taatcgcttg cagcacatcc ccccttcgc cagctggcgt aatagcgaag 540

aggcccgcac ccgatcggcc ctccaaca gttgcgcagc ctgaatggcg aatggaaatt 600

<210> 76

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-323_m74_SZ (see Figure 3)

<400> 76

aaacgcaagc tctaatacga ctactatag ggaaagtgcg gtaccacgca tgctgcagac 60

gcgttacgta tcggatccag aattcgtgat tgcctgtact ccagcacgt ttgggaagcc 120

gaggtgggaa gatcgttcg aggtcaggag ttcaagacca gcctggccaa catggcaaaa 180

cctcgtctct actaaaaata caaaacttag ccaggccgtg ttggcatcgc acccatagtc 240

cctgctaadc aggaggctga ggcttgaaca tgggagggtgg aggctgcagt gagctgagat 300

tgtgcaaaca cccccaatc tgaattcgtc gacaagcttc tcgagcctag gctagctcta 360

gaccacacgt gtggggggccc gagctcgcgg ccgctgtatt ctatagt 407

<210> 77

<211> 600

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-324_m74_SZ (see Figure 3)

<400> 77

gttaagatct aatacgactc actataggga aagctcggta ccacgcatgc tgcagacgcg 60

ttacgtatcg gatccagaat tcgtgattgg aggggtgttg cacaatctca gctcactgca 120

acctccacct ctacgactca agtgattatc ccacctcaac ctccaagta gcagggactg 180

aagggtgtgct ttgccacgcc cagctaattt ttgtatttt ttgtagagac ggattttcac 240

catgtagccc aggctggctc caaactcctg agcttaagcg atccaccttc ctggacctcc 300

caaactgtcg ggagtacagg caatctgaat tcgtcgacaa gcttctcgag cctaggctag 360

ctctagacca cacgtgtggg ggccccgagct cgcggccgct gtattctata gtgtcaccta 420

aatgggccgc acaattcact ggccgtcgtt ttacaacgtc gtgactggga aaaccctggc 480

gttacccaac ttaatgcct tgcagcacat cccctttcg ccagctggcg taatagcgaa 540

gaggccgcac cgatcgccct tcccacagtt gcgcagcctg aatggcgaat ggaaatttaa 600

<210> 78

<211> 501

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-325_m74_SZ (see Figure 3)

<400> 78

cagctatgac catgattacg ccaagctcta atacgactca ctataggga agctcggtag 60

cacgcatgct gcagacgcgt tacgtatcgg atccagaatt cgtgattgc ctgtactcc 120

cagcagtttg ggaggctgag gcaggtgaat cacctgaggt caggagtca tgaccagcct 180

ggccaacatg gtgaaacccc gccttacta aaaatataaa aattagcctg tcatggtagt 240

gctcatctgt aatcccagct gctcaggaag ctgaggcaga atttgctga acctgggagg 300

cagatgttgc agttagtcaa gattgtgcaa acaccctca atctgaattc gtcgacaagc 360

ttctcgagcc taggctagct ctgaccaca cgtgtggggg cccgagctcg cggccgctgt 420

attctatagt gtcacctaaa tggccgcaca attcactggc cgtcgttta caacgtctg 480

actgggaaaa cctggcgta c 501

<210> 79

<211> 600

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-149_m48_SZ (see Figure 3)

<400> 79

acgcttcaa ggattcaaca agctctaata cgactcacta tagggaaagc tcggtaccac 60

gcatgctgca gacgcgttac gtatcggatc cagaattcgt gattagggtg ttgcacaat 120

ctcggctcat tgtaacctct gcctcccagg ttgcagtgat tctcctgtct cagcctcca 180

agtagctggc attacaggtt cccaccacta cacccaacta attttgtat ttttagcaga 240

aatgggggtt ccccatgttg acctggctgg tctcgaactc ctgacctgt gatctgccg 300

ccttggcctc ccaaactgct gggagtagac gcaatctgaa ttcgtcgaca agcttctcga 360
 gcctaggcta gctctagacc acacgtgtgg gggcccggagc tcgcgggccgc tgtattctat 420
 agtgtcacct aaatggccgc acaattcact ggccgtcggt ttacaacgtc gtgactggga 480
 aaaccctggc gttaccaaac ttaatgcct tgcagcacat cccctttcg ccagctggcg 540
 taatagcgaa gaggcccgca ccgatcgccc ttccaacag ttgcgcagcc tgaatggcga 600

<210> 80
 <211> 480
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <223> Alu sequence cloned from E-302_m57_Ctrl (see Figure 3)

<400> 80
 gattacgcca agctctaata ctactcacta tagggaaagc tcggtaccac gcatgctgca 60
 gagcggttac gtatcggatc cagaattcgt gattggaggg tgtttgcaca atctcagctc 120
 accgaaacct ccgcctcaca ggttcaagtg attcctctgc ctcagccttc tgagtagcta 180
 ggacgacaag catttgccat gatacctggc taattttgta ttttagtag agaccaggat 240
 tcttcatgtt gataaggtgg ttcttgaact cctgacctca gatgatccac ctgatttggc 300
 ctcccaaact gctgggagta caggcaatct gaattcgtcg acaagcttct cgagcctagg 360
 ctagctctag accacacgtg tggggggccg agctcgcggc cgctgtattc tatagtgtca 420
 cctaaatggc cgcacaattc actggccgtc gttttacaac gtcgtgactg ggaaaacctg 480

<210> 81
 <211> 610
 <212> DNA
 <213> Homo sapiens

 <220>

<221> misc_feature

<223> Alu sequence cloned from E-119m57Ctrl (see Figure 3)

<400> 81

cagctatgac catgattacg ccaagctcta atacgactca ctataggga agctcggtag 60

cacgcatgct gcagacgcgt tacgtatcgg atccagaatt cgtgattgcc tgtactccca 120

gcagtttggg aggagaggc aggtggatca cctgaggctg ggagttcgag aaccgcctga 180

ccaacatgga gaaaccccggt ctctgctaaa aatacaaaat tagctaggta tggtaggtact 240

tggccgtaat cccagctatt cagaaggctg aggcaggaga gtcactgaa cccaggagtc 300

agaggttgca gtcagctgag attgtgcaaa caccctcaa tctgaattcg tcgacaagct 360

tctcgagcct aggttagctc tagaccacac gtgtgggggc ccgagctcgc ggccgctgta 420

ttctatagtg tcacctaaat ggccgcacaa ttactggcc gtcgttttac aacgtcgtga 480

ctgggaaaac cctggcgta cccaacttaa tcgccttgca gcacatcccc ctttcgccag 540

ctggcgtaat agcgaagagg cccgcaccga tcgcccttc caacagttgc gcagcctgaa 600

tggcgaatgg 610

<210> 82

<211> 470

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-120m57Ctrl (see Figure 3)

<400> 82

aatagctatg cccatgatta cgccaagctc taatagact cactataggg tatgctcgga 60

gctaggcatg ctgcagacgc gttacgcatt acgatccaga atccagagat tggaggtggc 120

tggcgtaata tcggttagt gggacctgtg cctccgggtt ccaggtgttg ctagtgttg 180

aacctcctga gcatcattgg ataacagtag cctctcacca tgctcatctt gtgcttgat 240
 tgggtggcagc ggtccacat gccggttatg ctgaactcgg actcatcacc ttaaattaac 300
 cacctgcctc agactccgaa actgctggta gtacaggcaa tctgcattcg tctgcattct 360
 tctacagcct aggctagcta tagaccacac ttgaccacgg cccgagctcc cggccgcttg 420
 gattctatag tgcatataa aggcccgaa aattcactgc accgtagttt 470

<210> 83
 <211> 620
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Alu sequence cloned from E-166m50Ctrl (see Figure 3)

<400> 83
 aacagctatg accatgatta cgccaagctc taatacgact cactataggg aaagctcggt 60
 accacgcatg ctgcagacgc gttacgtatc ggatccagaa ttcgtgattg gaggggtgtt 120
 gcacaatctc ggcccactgc aacctccgcc tcccgggtgc aagcagtctt cctacctcag 180
 cctcctgagt agctaggatt acaggcacac ctggctaatt ttgtggtttt agtagagacg 240
 gcgtttcacc atgttggcta ggctggctc gaactcctca cctcaaatga tccacctgcc 300
 tcagcctccc aaactgctgg gagtacaggc aatctgaatt cgtcgacaag cttctcgagc 360
 ctaggctagc tctagaccac acgtgtgggg gcccgagctc gcggccgctg tattctatag 420
 tgtcacctaa atggccgcac aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa 480
 accctggcgt tacccaactt aatgccttg cagcacatcc cccttcgcc agctggcgta 540
 atagcgaaga ggcccgacc gatgccttc ccaacagttg cgcagcctga atggcgaatg 600
 gaaattgtaa gccgttaata 620

<210> 84
<211> 600
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-167m50Ctrl (see Figure 3)

<400> 84
actttatgac atgattacgc caagctctaa tacgactcac tatagggaaa gctcggtacc 60

acgcatgctg cagacgcgtt acgtatcgga tccagaattc gtgattggag ggtgtttgca 120

caatctcagc tcaccgaaac ctccgcctca caggttcaag tgattcctct gcctcagcct 180

tctgagtagc taggatgaca agcatttgcc atgatacctg gctaatttg tatttttagt 240

agagaccagg attcttcattg ttgataaggt ggttcttgaa ctctgacct cagatgatcc 300

atctgatttg gcctcccaaa ctgctgggag tacaggcaat ctgaattcgt cgacaagctt 360

ctcgagccta ggctagctct agaccacacg tgtggggggc cgagctcgcg gccgctgtat 420

tctatagtgt cacctaaatg gccgcacaat tcaactggccg tcgttttaca acgtcgtgac 480

tgggaaaacc ctggcggttac ccaacttaat cgccttgag cacatcccc ttccgcccagc 540

tggcgtaata gcgaagaggc ccgcaccgat cgccttccca acagttgcgc agcctgaatg 600

<210> 85
<211> 480
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-169m50Ctrl (see Figure 3)

<400> 85
aagcttgacc atgattacgc caagctctaa tacgactcac tatagggaaa gctcggtacc 60

acgcatgctg cagacgcgtt acgtatcgga tccagaattc gtgattgcct gtactcccag 120
cagtttggga ggctgaagtg ggttgattac ccgaggtcag gagttccaga ccaggttgac 180
caacatggag aaacctgtc tctactaaaa atacataatt agccaggtgt attggagcgt 240
gcctgtattc ccagctactt gggaggccga ggcaggagaa tctgctggaa cccacgatgg 300
cggaggttgt ggagagctga gattgtgcaa acacctcca atctgaattc gtctacaagc 360
ttctcgagcc taggttagct ctagaccaca cgtgtggggg cccgagctcg cggacgctgt 420
attctatagt gtcacctaaa tggccgcaca attcactggc cgacgttta caacgtggtg 480

<210> 86

<211> 610

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-270m50Ctrl (see Figure 3)

<400> 86

ctcactatag ggaaagctcg gtaccacgca tgctgcagac gcgttacgta tcggatccag 60
aattcgtgat tgcctgtact cccagcagtt tgggaggcca aatcagatgg atcatctgag 120
gtcaggagtt caagaaccac cttatcaaca tgaagaatcc tggctctac taaaaataca 180
aaattagcca ggtatcatgg caaatgcttg tcatcctagc tactcagaag gctgaggcag 240
aggaatcact tgaacctgtg aggcggaggt ttcggtgagc tgagattgtg caaacaccct 300
ccaatctgaa ttcgtcgaca agcttctcga gcctaggcta gctctagacc acacgtgtgg 360
gggcccagc tcgcggccgc tgtattctat agtgtcacct aaatggccgc acaattcact 420
ggccgtcgtt ttacaacgtc gtgactggga aaacctggc gttaccaaac ttaatcgct 480
tgcagcacat cccctttcg ccagctggcg taatagcgaa gaggcccgca ccgatcgccc 540
ttccaacag ttgcgcagcc tgaatggcga atggaaattg taagcgtaa tattttgta 600

aaattcgcgt

610

<210> 87

<211> 601

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-271m50Ctrl (see Figure 3)

<400> 87

ttgcccatgc ttacgccaag ctctaatacg actcactata gggaaagctc ggtaccacgc 60

atgctgcaga cgcgttacgt atcggatcca gaattcgtga ttggagggtg ttgcacaat 120

ctcagctcac catgacctct gcctcctggg ttcaagcgat tcctcggact cagcctcctg 180

agtagctgga attacaggga ttgccacca tgcccagcta atttgtatg ttagtagag 240

acagggttcc tccaaattgg tcaggctggt ctggaactcc cgacctcagg tgatccgccc 300

gccttggcct cccaaactgc tgggagtaca ggcaatctga attcgtcgac aagcttctcg 360

agcctaggct agctctagac cacacgttg ggggcccag ctcgcggccg ctgtattcta 420

tagtgtcacc taaatggccg cacaattcac tggccgtcgt ttacaacgt cgtgactggg 480

aaaaccctgg cgttacccaa cttaatcgcc ttgcagcaca tcccccttc gccagctggc 540

gtaatagcga agaggcccg accgatcgcc ctccaaca gttgcgcagc ctgaatggcg 600

a

601

<210> 88

<211> 601

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-272m50Ctrl (see Figure 3)

<400> 88

caataccgct tgacatgat tacgccaagc tctaatacga ctactatagg gaaagctcgg 60
taccacgcat gctgcagacg cgttacgtat cggatccaga attcgtgatt ggagggtgtt 120
tgcacaatct cagctcactg cagcctctc cctctgaggt caagtatac tgctgcctca 180
gcctcctgag tagctgggat tacaggcacc caccaccaac cctggccaat tttgtattt 240
ttagtagaga cagagtttca ccatgctggc caggctggtc tcaaactcct gccctcagat 300
gttccacca ccttggcctc ccaaactgct gggagtacag gcaatctgaa ttcgtcgaca 360
agcttctcga gcctaggcta gctctagacc acacgtgtgg gggcccgagc tcgcgccgc 420
tgtattctat agtgtcacct aaatggccgc acaattcact ggccgtcgtt ttacaacgtc 480
gtgactggga aaacctggc gttaccaac ttaatcgct tgcagacat cccctttcg 540
ccagctggcg taatagcgaa gagggccgca ccgatcgccc ttccaacagt tgcgcagcct 600

g

601

<210> 89

<211> 479

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-273m50Ctrl (see Figure 3)

<400> 89

gctcgggtacc acgcatgctg cagacgcgtt acgtatcgga tccagaattc gtgattggag 60
ggtgtttgca caatctcagc tcaccgaaac ctccgcctca caggttcaag tgattcctct 120
gcctcagcct tctgagtagc taggatgaca agcatttggc atgatacctg gctaattttg 180
tatttttagt agagaccagg attctttatg ttgataaggt ggttcttgaa ctctgacct 240
cagatgatcc atctgatttg gcctcccaaa ctgctgggag tacaggcaat ctgaattcgt 300

cgacaagctt ctgagccta ggctagctct agaccacacg tgtggggggcc cgagctcgcg 360

gccgctgtat tctatagtgt cacctaaatg gccgcacaat tcttggccg gcgttttaca 420

acgtcgcgac tgggaaaacc ctggcggtac ccaactaat cgccttgag cacatcccc 479

<210> 90

<211> 600

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-275m50Ctrl (see Figure 3)

<400> 90

accatgatta cgccaagctc taatacgact cactataggg aaagctcggg accacgcatg 60

ctgcagacgc gttacgtatc ggatccagaa ttcgtgattg gaggggtgtt gcacaatctc 120

agtcaccga aacctccgcc tcacaggttc aagtgattcc tctgcctcag ccttctgagt 180

agctaggatg acaagcattt gccatgatac ctggctaatt ttgtattttt agtagagacc 240

aggattcttc atgttgataa ggtggttctt gaactcctga cctcagatga tccatctgat 300

ttggcctccc aaactgctgg gagtacaggc aatctgaatt cgtcgacaag cttctcgagc 360

ctaggctagc tctagaccac acgtgtgggg gcccgagctc gcggccgctg tattctatag 420

tgtcacctaa atggccgcac aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa 480

accctggcgt tacccaactt aatcgccttg cagcacatcc cccttcgcc agctggcgta 540

atagcgaaga ggcccgacc gatcgccctt cccaacagtt gcgcagcctg aatggcgaat 600

<210> 91

<211> 610

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-279m50Ctrl (see Figure 3)

<400> 91

aagaccatga taacgccaag ctctaatacg actcactata gggaaagctc ggtaccacgc 60
atgctgcaga cgcgttacgt atcggatcca gaattcgtga ttggagggtg ttgcacaat 120
ctcagctcac tgcagcctcc tccctctgag gtcaagtgat tctgctgcct cagcctcctg 180
agtagctggg attacaggca cccaccacca accctggcca atttttgtat ttttagtaga 240
gacagagttt caccatgctg gccaggctgg tctcaaactc ctgccctcag atgttcacc 300
caccttgccc tcccaaactg ctgggagtac aggcaatctg aattcgtcga caagcttctc 360
gagcctaggc tagctctaga ccacacgtgt gggggcccga gctcgcggcc gctgtattct 420
atagtgtcac ctaaattggc gcacaattca ctggccgtcg ttttacaacg tcgtgactgg 480
gaaaaccctg gcgttaccca acttaatgc cttgcagcac atccccctt cgccagctgg 540
cgtaatagcg aagaggcccg caccgatcgc ccttccaac agttgcgcag cctgaatggc 600
gaatggaaat 610

<210> 92

<211> 602

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-281m50Ctrl (see Figure 3)

<400> 92

aacagctatg accatgatta cgccaagctc taatacgact cactataggg aaagctcggt 60
accacgcatg ctgcagacgc gttacgtatc ggatccagaa ttcgtgattg gaggggtgtt 120
gcacaatctc agctcaccga aacctccgcc tcacaggttc aagtgattcc tctgcctcag 180

ctttctgagt agctaggatg acaagcattt gccatgatac ctggctaatt ttgtattttt 240
 agtagagacc aggattcttc atgttgataa ggtggttctt gaactcctga cctcagatga 300
 tccatctgat ttggcctccc aaactgctgg gagtacaggc aatctgaatt cgtcgacaag 360
 ctctcgagc ctaggctagc tctagaccac acgtgtgggg gcccgagctc gcggccgctg 420
 tattctatag tgtcacctaa atggccgcac aattcactgg ccgtcgtttt acaacgtcgt 480
 gactgggaaa accctggcgt tacccaactt aatcgcttg cagcacatcc ccctttcgcc 540
 agctggcgta ataacgaaga ggcccgacc gatcgccctt cccaacagti gcgcagcctg 600
 aa 602

<210> 93
 <211> 601
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Alu sequence cloned from E-283m56SZ (see Figure 3)

<400> 93
 aacagctatg accatgatta cgccaagctc taatacgact cactataggg aaagctcggt 60
 accacgcatg ctgcagacgc gttacgtatc ggatccagaa ttcgtgattg gaggggtgtt 120
 gcacaatctt ggctcactgt aacctctgcc tcttgggttc aagtaattct cctgtctcag 180
 cctcctgagt agctaggatt actggtgccc gccaccatgc ccggcaaatt ttgtatttt 240
 tagtagagat ggggtttcac tatgttggcc aggggtgtct caaactcctg acctcaagt 300
 atccacctgc ttcagcttcc caaactgctg ggagtacagg caatctgaat tcgtcgacaa 360
 gcttctcgag ctaggctag ctctagacca cacgtgtggg ggcccgagct cgcggccgct 420
 gtattctata gtgtcaccta aatggccgca caattcactg gccgtcgttt tacaacgtcg 480
 tgactgggaa aaccctggcg ttaccaact taatcgctt gcagcacatc cccctttcgc 540

cagctggcgt aatagcgaag aggcccgcac cgatcgctt cccaacagtt gcgcagcctg 600

a

601

<210> 94

<211> 620

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-284m56SZ (see Figure 3)

<400> 94

agctatgacc atgattacgc caagctctaa tacgactcac tatagggaaa gctcgggtacc 60

acgcatgctg cagacgcgtt acgtatcgga tccagaattc gtgattggag ggtgtttgca 120

caatctcagc tcaccgaaac ctccgcctca caggttcaag tgattcctct gcctcagcct 180

tctgagtagc taggatgaca agcatttgcc atgatacctg gctaattttg tatttttagt 240

agagaccagg attcttcattg ttgataaggt ggttcttgaa ctctgacct cagatgatcc 300

atctgatttg gcctcccaaa ctgctgggag tacaggcaat ctgaattcgt cgacaagctt 360

ctcagccta ggctagctct agaccacacg tgtggggggc cgagctcgcg gccgctgtat 420

tctatagtgt cacctaaatg gccgcacaat tcaactggccg tcgttttaca acgtcgtgac 480

tgggaaaacc ctggcggtac ccaacttaat cgccttgag cacatcccc ttccgccagc 540

tggcgtaata gcgaagaggc ccgcaccgat cgccttccca acagttgcgc agcctgaatg 600

gcgaatggaa attgtaagcg

620

<210> 95

<211> 600

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-61m34BD (see Figure 3)

<400> 95

ttaaacagct atgacatga ttacgccaag ctctaatacg actcactata gggaaagctc 60

ggtaccacgc atgctgcaga cgcgttacgt atcgatcca gaattcgtga ttggagggtg 120

tttgacaat ctcggttcac tgcaacttct gcctcccagg ttcaagcaat tatctgcctc 180

agcctcccga gtagctggga ttacaggtgc ccgccaccac actcagctaa tttcgtatt 240

tttagtagag acggtttcac catcttggtc aggctgggtc tgagctcctg actgcgtgat 300

ccacccgcct tggccccca aactgctggg agtacaggca atctgaattc gtcgacaagc 360

ttctcgagcc taggctagct ctagaccaca cgtgtggggg cccgagctcg cggccgctgt 420

attctatagt gtcacctaaa tggccgcaca attcactggc cgtcgtttta caacgtcgtg 480

actgggaaaa ccctggcgtt acccaactta atgccttgc agcacatccc ctttcgcca 540

gctggcgtaa tagcgaagag gcccgcaccg atgcacctc ccaacagttg cgcagcctga 600

<210> 96

<211> 627

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-62m34BD (see Figure 3)

<400> 96

cttgaccatg attacgcaa gctctaatac gactcactat agggaaagct cggtaccacg 60

catgctgcag acgcgttacg tatcgatcc agaattcgtg attggagggt gtttcacaa 120

tcttgctca ctgtaacctc tgctcctgg gticaagtaa ttctcctgc tcagcctcct 180

gagtagctag gattactggt gcccgccacc atgcccggca aattttgta ttttagtag 240

agatgggggtt tcactatgtt gcccagggtg gtctcaaact cctgacctca agtgatccac 300
 ctgcttcagc ttcccaaact gctgggagta caggcaatct gaattcgtcg acaagcttct 360
 cgagcctagg ctagctctag accacacgtg tgggggcccc agctcgcggc cgctgtattc 420
 tatagtgtca cctaaatggc cgcacaattc actggccgtc gttttacaac gtcgtgactg 480
 ggaaaaccct ggcgttacct aacttaatcg ccttgacgca catccccctt tcgccagctg 540
 gcgtaatagc gaagaggccc gcaccgatcg cccttcccaa cagttgcgca gcctgaatgg 600
 cgaatggaaa ttgtaagcgt taatatt 627

<210> 97

<211> 610

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-63m34BD (see Figure 3)

<400> 97

aacagctatg accatgatta cgccaagctc taatacgact cactataggg aaagctcggg 60
 accacgcatg ctgcagacgc gttacgtatc ggtaccagaa ttcgtgattg gaggggtgtt 120
 gcacaatctc agctcaccga aacctccgcc tcacaggttc aagtgattcc tctgcctcag 180
 ccttctgagt agctaggatg acaagcattt gccatgatac ctggctaatt ttgtattttt 240
 agtagagacc aggattcttc atgttgataa ggtggttctt gaactcctga cctcagatga 300
 tccatctgac ttggcctccc aaactgctgg gactacaggc aatctgaatt cgtcgacaag 360
 ctctcagac ctaggctagc tctagaccac acgtgtgggg gcccgagctc gcggccgctg 420
 tattctatag tgtcacctaa atggccgcac aattcactgg ccgtcgtttt acaacgtcgt 480
 gactgggaaa accctggcgt tacccaactt aatgccttg cagcacatcc cccttcgcc 540
 agctggcgta atagcgaaga ggcccgcacc gatgccttc ccaacagttg cgcagcctga 600

atggcgaatg

610

<210> 98

<211> 577

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-66m39MD (see Figure 3)

<400> 98

tatgaccatg attacgcaa gctctaatac gactcactat agggaaagct cggtaccacg 60

catgctgcag acgcgttacg tatcggaacc agaattcgtg attggagggt gttgcacaa 120

tctcagctca ccgaaacctc cgcctcacag gttcaagtga ttctctgcc tcagccttct 180

gagtagctag gatgacaagc attgccatg atacctggct aattttgtat ttttagtaga 240

gaccaggatt cttcatgttg ataagggtgt tcttgaactc ctgacctcag atgatccatc 300

tgatttgcc tcccaaactg ctgggagtag aggcaatctg aattcgtcga caagcttctc 360

gagcctaggc tagctataga ccacacgtgt gggggcccga gctcgcggcc gctgtattct 420

atagtgtcac ctaaatggcc gcacaattca ctggccgtcg ttttacaacg tcgtgactgg 480

gaaaaccctg gcgttaccca acttaatcgc ttgcagcaca tcccctttcg ccagctggcg 540

taatagcgaa gagggccgca ccgatcgccc ttcccaa 577

<210> 99

<211> 680

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-68m39MD (see Figure 3)

<400> 99

cagctatgac catgattacg ccaagctcta atacgactca ctataggga agctcggtag 60
cacgcatgct gcagacgcgt tacgtatcgg atccagaatt cgtgattgga ggggtgttgc 120
acaatctcag ctcaccgaaa cctccgcctc acaggttcaa gtgattcctc tgcctcagcc 180
ttctgagtag ctaggatgac aagcatttgc catgatacct ggctaatttt gtatttttag 240
tagaggccag gatttctcat gttgataagg tggttcttga actcctgacc tcagatgatc 300
catctgattt ggccctccaa actgctggga gtacaggcaa tctgaattcg tcgacaagct 360
tctcgagcct aggctagctc tagaccacac gtgtgggggc ccgagctcgc ggccgctgta 420
ttctatagtg tcacctaaat ggccgcacaa ttactggcc gtcgttttac aacgtcgtga 480
ctgggaaaac cctggcggtta cccaacttaa tcgccttgca gcacatcccc ctttcgccag 540
ctggcgtaat agcgaagagg cccgcaccga tcgccttccc aacagttgcg cagcctgaat 600
ggcgaatgga aattgtaagc gttaatattt tgttaaaatt cgcgttaaatt tttgttaaa 660
tcaactcatt tttaaccaa 680

<210> 100

<211> 581

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-71m39MD (see Figure 3)

<400> 100

aagattgacc atgattacgc caagctctaa tacgactcac tatagggaag gctcggtagc 60
acgcatgctg cagacgcgtt acgtatcgga tccagaattc gtgattggag ggtgtttgca 120
caatctcagc tcaactgcaac cttcacctcc caggttcaag cgattctcat gcctcagcct 180
tccgaatagt tgagattaca ggctcgtgcc accacaccca gctaattttt tgtattttta 240

gtagagatgg ggtttcacca tgttggccag gctggcttg agtcctgac ctcaagtaat 300
 ctgcccacct cagcctccaa aactgctggg agtacaggca atctgaattc gtcgacaagc 360
 ttctcgagcc taggctagct ctagaccaca cgtgtggggg cccgagctcg cggccgatgt 420
 attctatagt gtcacctaaa tggccgcaca attcactggc cgtcgtttta caacgtcgag 480
 actgggaaaa ccctggcggt acccaactta atgccttgc agcacatccc cctttcgcca 540
 gctggcgtaa tagcgaagag gcccgaccg atcgacctt c 581

<210> 101

<211> 600

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-72m43BD (see Figure 3)

<400> 101

taaacagtt gaccatgatt acgccaagct ctaatacgac tcactatagg gaaagctcgg 60
 taccacgcat gctgcagacg cgttacgtat cggatccaga attcgtgatt ggagggtgtt 120
 tgcacaatct cggctcactg caacatccgc ctcccgagta gctgggacca caggtgtgca 180
 ccacctttcc gggctaattt ttgtatttt agtagagaca gggttttgcc atgttggtca 240
 ggctggcttt gaactcctga cctcaggtga ttgcccacc tcagcctccc aaactgctgg 300
 gagtacaggc aatctgaatt cgtcgacaag ctctcgagc ctaggctagc tctagaccac 360
 acgtgtgggg gcccagctc gcggcgcgtg tattctatag tgcacctaa atggccgcac 420
 aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa accctggcgt tacccaactt 480
 aatgccttg cagcacatcc cccttcgcc agctggcgta atagcgaaga ggcccgacc 540
 gatcgccctt cccaacagtt gcgcagcctg aatggcgaat ggaaattgta agcgttaata 600

<210> 102
<211> 622
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-74m43BD (see Figure 3)

<400> 102
aaacagctat gaccatgatt acgccaagct ctaatacgac tcactatagg gaaagctcgg 60
taccacgcat gctgcagacg cggtacgtat cggatccaga attcgtgatt ggagggtgtt 120
tgcacaatct cagctcattg cgagctccac ctcccagggt caagcaattc tectacctca 180
gcaactcctg agtagctgag actacagggt tgtgccacta tgcctggcta acttttttg 240
tatttttagt agagacaggg ttccaccatg ttggccaggc tagtctcgaa cacctgacct 300
cagatgatec acctgcctcg gccctccaaa ctgctgggag tacaggcaat ctgaattcgt 360
cgacaagctt ctcgagccta ggctagctct agaccacacg tgtgggggcc cgagctcgcg 420
gccgctgtat tctatagtgt cacctaaatg gccgcacaa tcactggccg tcgttttaca 480
acgtcgtgac tgggaaaacc ctggcggtac ccaacttaat cgccttgag cacatcccc 540
tttcgccagc tggcgtaata gcgaagaggc ccgcaccgat cgccttccc aacagttgcg 600
cagctgaatg gcgaatggaa at 622

<210> 103
<211> 670
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-75m43BD (see Figure 3)

<400> 103

cagctatgac catgattacg ccaagctcta atacgactca ctatagggaa agctcggtag 60
 cacgcatgct gcagacgcgt tacgtatcgg atccagaatt cgtgattgga ggggtgttgc 120
 acaatcttgg ttactacaa cctccaatct ccagggtcaa ggattctcct gcctcagact 180
 cctgagtagc tgggattaca ggcatccacc aacatgcctg gctaattttt ttatttttag 240
 cagagacggg gttttgccat attggccatg ctggtctcaa actcctgacc tcatgtgatc 300
 caccgcctt ggctcccaa actgctggga gtacaggcaa tctgaattcg tcgacaagct 360
 tctcgagcct aggctagctc tagaccacac gtgtgggggc ccgagctcgc ggccgctgta 420
 ttctatagtgc tcacctaaat ggccgcacaa ttactggcc gtcgttttac aacgtcgtga 480
 ctgggaaaac cctggcggtta cccaacttaa tcgccttgca gcacatcccc ctttcgccag 540
 ctggcgtaat agcgaagagg cccgcaccga tcgcccttcc caacagtgc gcagcctgaa 600
 tggcgaatgg aaattgtaag cgtaatat ttgtaaaat tcgcgttaaa tttttgttaa 660
 atcagctcat 670

<210> 104
 <211> 570
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Alu sequence cloned from E-77m43BD (see Figure 3)

<400> 104
 cagctaacag ctatgacctg attacgcaa gctctaatac gactcactat agggaaagct 60
 cggtagcacg catgctgcag acgcgttacg tatcgatcc agaattcgtg attgcctgta 120
 ctcccagcag ttccggaggt tgaggcgggt ggattacctg aggtcaggag ttaagatca 180
 gcctggccaa cctgatgaaa ccccatctct actaaaaata caaaaaatta gcctgggtgtg 240
 ttggtgggca tctgtaatcc cagctactcg ggaggctgag gcaggataat cacttgaacc 300

tgggaggtgg tgggtgcagt gagctgagat tgtgcaaaca ccctccaatc tgaattcgtc 360
 gacaagcttc tcgagcctag gctagctcta gaccacacgt gtggggggccc gagctcgcgg 420
 ccgctgtatt ctatagtgc acctaaatgg ccgcacaatt cactggccgt cgttttacaa 480
 cgtcgtgact gggaaaaccc tggcgttacc caacttaatc gccttcgagc acatccccct 540
 ttcgccagct ggcgtaatag cgaagaggcc 570

<210> 105

<211> 601

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-78m43BD (see Figure 3)

<400> 105

acagctatga ccatgattac gccaaagtct aatacgactc actataggga aagctcggtg 60
 ccacgcatgc tgcagacgcg ttacgtatcg gatccagaat tcgtgattgg aggggtgttg 120
 cacaatctcg gctcaatgca acctcagcct cctgggttca agcaattctc ctgtctcagc 180
 ctcccagta gctgggatta caggcacatg ccacatgcc caactaattt ttgtattttt 240
 agtagagaca gggttttgcc atgttgcca ggctggtctc aaactcctga cctcaggtgg 300
 tccaccggcc tcagcctccc aaactgctgg gactacaggc caatctgaat tcgtcgacaa 360
 gcttctcgag cctaggctag ctctagacca cacgtgtggg ggcccagact cgcggccgct 420
 gtattctata gtgtcaccta aatggccgca caattcactg gccgtcgttt tacaacgtcg 480
 tgactgggaa aaccctggcg ttaccaact taatgcctt gcagcacatc cccctttcgc 540
 cagctggcgt aatagcgaag aggcccgcac cgtatgcctt ccaacagttg cgagcctga 600

a

601

<210> 106
<211> 520
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-79m43BD (see Figure 3)

<400> 106
aacagctatg accatgatta cgccaagctc taatacgact cactataggg aaagctcggg 60
accacgcatg ctgcagacgc gttacgtatc ggatccagaa ttcgtgattg gaggggtgtt 120
gcacaatctc agctcactgc aacctccgtt tcccaggtgc aaccgattct cctgcctcag 180
acctctgaag cggctgggac tacaggtgcc tgccacctca cccggctaatt tttgtattt 240
ttagtaagag atgggggttc accacattgg cgggggtggt ctcaaactcc tgacctcaag 300
tgatccttcc atcttggcct ccaaactgc tgggagtaca ggcaatctga attcgtcgac 360
aagcttctcg agcctaggct agctctatac cacacgtgtg ggggcccagag ctccgcggcc 420
gctgtattct atagtgttac ctaaatggcc ggacaattca ctggccgtcg gtttacaacg 480
tcaggactgg gaaaaccctg gcgttaccca acttaatgcc 520

<210> 107
<211> 591
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-83m43BD (see Figure 3)

<400> 107
cagctatgac catgattacg ccaagctcta atacgactca ctataggga agctcggtag 60
cacgcatgct gcagacgcgt tacgtatcgg atccagaatt cgtgattgga gggtgtttgc 120

acaatctcgg ctcaatgcaa cctcagcctc ctgggttcaa gcaattctcc tgtctcagcc 180
 tcccgagtag ctgggattac aggcacatgc caccatgccc aactaatttt tgtattttta 240
 gtagagacag ggttttgcca tgttgccag gctggctca aactcctgac ctgagtggt 300
 ccaccggcct cagcctccca aactgctggg agtacaggcc aatctgaatt cgtcgacaag 360
 cttctcagac ctaggetagc tctagaccac acgtgtgggg gcccgagctc gcggccgctg 420
 tattctatag tgtcacctaa atggccgcac aattcactgg ccgtcgtttt acaacgtcgt 480
 gactgggaaa accctggcgt tacccaactt aatgccttg cagcacatcc ccctttcgcc 540
 agctggcgta atagcgaaga ggccccgacc gatcgccctc caacagttgc g 591

<210> 108
 <211> 191
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Alu sequence cloned from E-167m50Ctrl (see Figure 3)

<400> 108
 cagctcaccg aaacctccgc ctcacagggt caagtgttc ctctgcctca gccttctgag 60
 tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120
 caggattctt catgttgata aggtgggtct tgaactcctg acctcagatg atccatctga 180
 tttggcctcc c 191

<210> 109
 <211> 191
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Alu sequence cloned from E-271m50Ctrl (see Figure 3)

<400> 109

cagctcacca tgacctctgc ctctgggtt caagcgattc tctggactca gcctcctgag 60

tagctggaat tacagggatt cgccacatg cccagctaatt tttgtatgtt tagtagagac 120

agggtttctc caaattggtc aggctggtct cgaactcccg acctcaggtg atccgcccgc 180

cttggcctcc c

191

<210> 110

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-272m50Ctrl (see Figure 3)

<400> 110

cagctcactg cagcctcctc cctctgaggt caagtgatac tgctgcctca gcctcctgag 60

tagctgggat tacaggcacc caccaccaac cctggccaat tttgtattt ttagtagaga 120

cagagtttca ccatgctggc caggctggtc tcaaactcct gcctcagat gttccaccca 180

ccttggcctc cc

192

<210> 111

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-273m50Ctrl (see Figure 3)

<400> 111

cagctcaccg aaacctccgc ctacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtattt tagtagagac 120

caggattctt tatgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c

191

<210> 112

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-275m50Ctrl (see Figure 3)

<400> 112

cagctcaccg aaacctccgc ctacagggt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtattt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c

191

<210> 113

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-279m50Ctrl (see Figure 3)

<400> 113

cagctcactg cagcctcctc cctctgaggt caagtgattc tgctgcctca gcctcctgag 60

tagctgggat tacaggcacc caccaccaac cctggccaat tttgtattt ttagtagaga 120

cagagtttca ccatgctggc caggctggtc tcaaactcct gccctcagat gttccacca 180

ccttggcctc cc

192

<210> 114
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-281m50Ctrl (see Figure 3)

<400> 114
cagctcaccg aaacctccgc ctacagggt caagtattc ctctgcctca gccttctgag 60
tagctaggat gacaagcatt tgccatgata cctggctaatt ttgtatttt tagtagagac 120
caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180
tttggcctcc c 191

<210> 115
<211> 192
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-283m56SZ (see Figure 3)

<400> 115
tggctcactg taacctctgc ctctggggt caagtaattc tcctgtctca gcctcctgag 60
tagctaggat tactgggtgcc cgccaccatg cccggcaaatt tttgtattt ttagtagaga 120
tggggtttca ctatgttgcc cagggtggtc tcaaactcct gacctcaagt gatccacctg 180
cttcagcttc cc 192

<210> 116
<211> 191
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-284m56SZ (see Figure 3)

<400> 116

cagctcaccg aaacctccgc ctacagggt caagtattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt ttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 117

<211> 187

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-61m34BD (see Figure 3)

<400> 117

cggttcactg caacttctgc ctcccagggt caagcaatta tctgcctcag cctcccgagt 60

agctgggatt acaggtgccc gccaccacac tcagctaatt ttcgtatttt tagtagagac 120

ggtttcacca tcttggttag gctgggtctg agctcctgac tgcgtgatcc acccgccttg 180

gcccccc 187

<210> 118

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-62m34BD (see Figure 3)

<400> 118
tggctcactg taacctctgc ctctgggtt caagtaattc tcctgtctca gcctcctgag 60
tagctaggat tactggtgcc cgccaccatg cccggcaaat tttgtattt ttagtagaga 120
tggggtttca ctatgttgcc cagggtgggtc tcaaactcct gacctcaagt gatccacctg 180
cttcagcttc cc 192

<210> 119
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-63m34BD (see Figure 3)

<400> 119
cagctcaccg aaacctccgc ctacagggtt caagtgattc ctctgcctca gccttctgag 60
tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtattt tagtagagac 120
caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180
cttggcctcc c 191

<210> 120
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-66m39MD (see Figure 3)

<400> 120
cagctcaccg aaacctccgc ctacagggtt caagtgattc ctctgcctca gccttctgag 60
tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtattt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c

191

<210> 121

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-68m39MD (see Figure 3)

<400> 121

cagctcaccg aaacctccgc ctacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtattt tagtagaggc 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c

191

<210> 122

<211> 193

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-71m39MD (see Figure 3)

<400> 122

cagctcactg caaccttcac ctcccaggtt caagcgattc tcatgcctca gccttccgaa 60

tagttgagat tacaggctcg tgccaccaca cccagctaatt ttttgtatt ttagtagag 120

atgggggttc accatgttgg ccaggctggt cttgagctcc tgacctcaag taatctgccc 180

acctcagcct cca

193

<210> 123
<211> 160
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-72m43BD (see Figure 3)

<400> 123
cggtcactg caacatccgc ctcccagta gctgggacca caggtgtgca ccaccttcc 60

gggctaattt ttgtattttt agtagagaca gggttttgcc atgttgtca ggctggctt 120

gaactcctga cctcaggtga ttgcccacc tcagcctccc 160

<210> 124
<211> 197
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-74m43BD (see Figure 3)

<400> 124
cagctcattg cgagctccac ctcccaggtt caagcaattc tcctacctca gcaactcctg 60

agtagctgag actacaggtg tgtgccacta tgctggcta acttttttg tatttttagt 120

agagacaggg ttccacatg ttggccaggc tagtctcgaa cacctgacct cagatgatcc 180

acctgcctcg gcctccc 197

<210> 125
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<223> Alu sequence cloned from E-75m43BD (see Figure 3)

<400> 125

tggttcacta caacctccaa tctccagggt caaggattct cctgcctcag actcctgagt 60

agctgggatt acaggcatcc accaacaatgc ctggctaatt tttttatttt tagcagagac 120

ggggttttgc catattggcc atgtgtgtct caaactcctg acctcatgtg atccaccgcg 180

cttggcctcc c 191

<210> 126

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-78m43BD (see Figure 3)

<400> 126

cggctcaatg caacctcagc ctctggggtt caagcaattc tcctgtctca gcctcccag 60

tagctgggat tacaggcaca tgccacatg cccaactaat ttttgtattt ttagtagaga 120

cagggttttg ccatgttggc caggctggtc taaactcct gacctcaggt ggtccaccgg 180

cctcagcctc cc 192

<210> 127

<211> 194

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-79m43BD (see Figure 3)

<400> 127

cagctcactg caacctccgt ttcccagggt caaccgattc tcctgcctca gacctctgaa 60

gatggggttt caccacattg gccggggtgg tctcaaactc ctgacctcaa gtgaccttc 180

catcttggcc tccc

194

<210> 128

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-83m43BD (see Figure 3)

<400> 128

cggctcaatg caacctcagc ctctgggtt caagcaattc tcctgtctca gcctcccgag 60

tagctgggat tacaggcaca tgccacatg cccaactaat tttgtattt ttagtagaga 120

cagggttttg ccatgttggc caggctggtc tcaaactcct gacctcaggt ggtccaccgg 180

cctcagcctc cc

192

<210> 129

<211> 470

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from E-120m57Ctrl (see Figure 3)

<400> 129

aatagctatg cccatgatta cgccaagctc taatacgact cactataggg tatgctcgga 60

gctaggcatg ctgcagacgc gttacgcatt acgatccaga atccagagat tggaggtggc 120

tggcgtaata tcggttagt gggacctgtg cctccgggtt ccaggtgttg ctagtgttg 180

aacctcctga gcatcattgg ataacagtag cctctcacca tgctcatctt gtgcttgtat 240

tgggtggcagc ggtccacat gccggttatg ctgaactcgg actcatcacc ttaaattaac 300
 cacctgcctc agactccgaa actgctggta gtacaggcaa tctgcattcg tctgcattct 360
 tctacagcct aggctagcta tagaccacac ttgaccacgg cccgagctcc cggccgcttg 420
 gattctatag tgtcatataa aggcccgaac aattcactgc accgtagttt 470

<210> 130
 <211> 470
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Alu sequence cloned from RevE-120m57Ctrl (see Figure 3)

<400> 130
 aaactacggt gcagtgaatt gttcgggcct ttatatgaca ctatagaatc caagcggccg 60
 ggagctcggg ccgtgggtcaa gtgtggtcta tagctagcct aggctgtaga agaatgcaga 120
 cgaatgcaga ttgcctgtac taccagcagt ttcggagtct gaggcaggtg gtaatttaa 180
 ggtgatgagt ccgagttcag cataaccggc atggtggacc gctgccacca atacaagcac 240
 aagatgagca tggtagagagg ctactgttat ccaatgatgc tcaggagggtt caaacactag 300
 caacacctgg aacccggagg cacaggtccc actaaaccga tattacgcca gccacctcca 360
 atctctggat tctggatcgt aatgcgtaac gcgtctgcag catgcctagc tccgagcata 420
 ccctatagtg agtcgtatta gagcttggcg taatcatggg catagctatt 470

<210> 131
 <211> 191
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Alu sequence cloned from RevE-119m57Ctrl (see Figure 3)

<400> 131
cagctgactg caacctctga ctctgggtt caagtgactc tcctgcctca gccttctgaa 60
tagctgggat tacgggcaag taccaccata cctagctaatt tttgtatttt tagcagagac 120
ggggtttctc catgttggtc aggcgggttct cgaactcccg acctcaggtg atccacctgc 180
ctctgcctcc c 191

<210> 132
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from RevE-270m50Ctrl (see Figure 3)

<400> 132
cagctcacgc aaacctccgc ctacaggtt caagtgattc ctctgcctca gccttctgag 60
tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120
caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180
tttggcctcc c 191

<210> 133
<211> 193
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from RevE-169m50Ctrl (see Figure 3)

<400> 133
cagctctcca caacctccgc catcgtgggt tcacagagat tctcctgcct cggcctccca 60
agtagctggg aatacaggca cgctccaata cacctggcta attatgtatt ttagtagag 120

acagggtttc tccatgttgg tcaacctggt ctggaactcc tgacctcggg taatcaaccc 180

acttcagcct ccc 193

<210> 134

<211> 193

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from RevE-77m43BD (see Figure 3)

<400> 134

cagctcactg caaccaccac ctcccaggtt caagtgatta tcctgcctca gcctcccgag 60

tagctgggat tacagatgcc caccaacaca ccaggctaatt ttttgtatt ttagtagag 120

atgggggtttc atcaggttgg ccaggctgat cttaaactcc tgacctcagg taatccaccc 180

gcctcaacct ccg 193

<210> 135

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK1601mM-13_m37-7+++ (see Figure 3)

<400> 135

cagctcacgc aaacctccgc ctacaggtt caagtgatc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtattt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 136
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK1601mM-11_m37-5+++ (see Figure 3)

<400> 136
cagctcaccg aaacctccgc ctacagggt caagtattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggccttc c 191

<210> 137
<211> 306
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK1601_mM-1_m57-6 (see Figure 3)

<400> 137
cagctcactg caggctccgc ctcccgggtt cagccattc tctgcctca gcctcccag 60

tagctgggac tacaggcgcc caccaccatg cccagctaatt tttgtatttt ttagcagaga 120

cgggggttca ccatgttggc caggatggtc tccaaactcc tgacctcctg agacacctgt 180

gtcgggggtcc caaactgtgg gactacaggc aactctgaat ttttgacaa gactcttga 240

gcctatgcta ctatctacac cacaccgcgt gggggcccca gctcgcggcc gctgtattat 300

ataata 306

<210> 138

<211> 187
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK1601mM-60+++ (see Figure 3)

<400> 138
cagctcaatg caacctacac ctctgggtt caagtgattc tcacgcctca gcctcctaag 60

taactgggat tacaggggcg caccaccaca cctggctaatt ttttgtatt ttagcagag 120

atgggccatg ttggccaggc tggcttgaa ctctgacct caagtgatcc acctgcctcg 180

gcctccc 187

<210> 139
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK1601MM-59+++ (see Figure 3)

<400> 139
cagctcaccg aaacctccgc ctacagggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 140
<211> 191
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK1601mM-58+++ (see Figure 3)

<400> 140

cagctcaccg aaacctccgc ctacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 141

<211> 418

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK1601mM-57+++ (see Figure 3)

<400> 141

atctatgaca tgattgcccc gattctccaa gctctaattc tactgaatgt tcggaacgct 60

ccatccacgc atgccgtaaa cgctttactc ctcggttcca gaatgcggga ttgcctgtac 120

ttccatcagt tagggaggcc aaatcctacg gatcatatga ggctatgaga ccaagaccca 180

ccttatcaac atgaagaatc ctggtctcta ctaaaaatac aatattagcc aggtttcatg 240

gtatatgctt gtaatcctag ctactcacia ggctgaggca gaggaattac ttgaacctgt 300

gaggcggagg tttcggtag ctgagattgt ccaaacaccc tccaatctga attcgttgac 360

aagcttttcg agcctaggct agctctagac cacacgtgtg ggggcccag ctcgcggt 418

<210> 142

<211> 380

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK1601mM-55+++ (see Figure 3)

<400> 142

acgttgccgtg ttcgcagtta tcgtacttg ggaagtcgtc ccatctgagc cgtcgcga 60

tccagaatcg gattggaggt gttgccaaca ttgagtcact gcagcttga cctcctgagt 120

gcatgtggct tattccacct caacctcctg aggagttggg accaccagtg ttcaacacca 180

catcaggcta atttaatat ttgtagaaat gaagacttac tattatgtcc aggctagtat 240

taaaatactg ggggtaagca agactcccc cttgtgttc ccaaagtctg gggggacaac 300

aggtattgat tttcgacaa gcttctcga gcctccgatg gttctataca ccacacgtgg 360

ggccccgagct ctgccgctg 380

<210> 143

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from Pk1601mM-54+++ (see Figure 3)

<400> 143

cagctcaccg aaacctccgc ctacacaggt caagtgttc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttgcctcc c 191

<210> 144

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1601mM-53+++ (see Figure 3)

<400> 144

cagctcaccg aaacctgcg ctcacagggt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 145

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1601mM-52+++ (see Figure 3)

<400> 145

cagctcactg caacctccgc ctcttggtt caagcgattt tcccgcctta gcctcctgag 60

taactgggac tagaggcagg taccaccacg cccagctaatt tttgtatttt ttagtagaga 120

cgaggtttca ccatgtgggc caggctggtc ttaaactcct gacctcaagt gatttgccca 180

actcagcctc cc 192

<210> 146

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1601mM-51+++ (see Figure 3)

<400> 146
cagctcactg caacctccgc ctctgggatt caagcgattt tcccgcctta gcctcctgag 60
taactgggac tagaggcagg taccaccacg cccagctaatt tttgtattt ttagtagaga 120
cgagggttca ccatgtgggc caggctgggc ttaaactcct gacctcaagt gatttgccca 180
actcagcctc cc 192

<210> 147
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1601mM-50 (see Figure 3)

<400> 147
cagctcaccg aaacctccgc ctacacaggtt caagtgattc ctctgcctca gccttctgag 60
tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtattt tagtagagac 120
caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180
tttggcctcc c 191

<210> 148
<211> 192
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1601mM-49 (see Figure 3)

<400> 148
gactcattgc aacctctgcc tcctggggtt aagccgttct catgcctcag cctcccagacg 60
tagctgggat tataggcatg cgccaccacc cccagctaatt tttgtatta tcagtagaga 120

tggggcttcg ccatgctggc caggctggc ttgaactcct gacctcaagc aatccgcca 180

actcggcctc cc

192

<210> 149

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1601mM-47 (see Figure 3)

<400> 149

cagctcaccg aaacctccgc ctcacgggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c

191

<210> 150

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1601mM-48 (see Figure 3)

<400> 150

cagctcaccg aaacctccgc ctcacagggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c

191

<210> 151
<211> 190
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1601mM-44 (see Figure 3)

<400> 151
cagctcaccg aaacctccgc ctacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt agtagagacc 120

aggattcttc atgttgataa ggtggttctt gaactcctga cctcagatga tccatctgat 180

ttggcctccc 190

<210> 152
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1601mM-42 (see Figure 3)

<400> 152
cagctcaccg aaacctccgc ctacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatgtt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 153
<211> 320
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1601mM-37+++ (see Figure 3)

<400> 153

gacaggatg accatgatta cgccagctct aatacgaactc actataggga aagctcggta 60

ccacgcatgc tgcagacgcg ttacgtatgg gatccagaat tcgtgattgg aggggtgttt 120

gcacaatctc agctcaccgc aacctttgcc tcacgggctc aagtgttct catgcttgat 180

cctaccaagt agctgggatt acaggcacat gccatcatgc tgagctaact ttgtatttt 240

tggtagagac gaggtttcac catgttgcc aggctgtctc aaactcctga ctcagatga 300

tccgtccacc tcagcctccc 320

<210> 154

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1601mM-35+++ (see Figure 3)

<400> 154

cggctcactg caagctctgc ctcccgggtt catgccattc tcctgcctca gcctcccag 60

tagctgggac tgcaggtggc cgtcaccacg cccggctaatt ttttgtatt ttagtagag 120

acagggttc accatgttag ccaggatggt ctcgatctcc tgacctctg atctgccgc 180

ctcagcctcc c 191

<210> 155

<211> 188

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1601_mM-32+++ (see Figure 3)

<400> 155

cacgtcactg taatgtccat ctcccgggtt caggtgattc tcctgcccc gcctcctgag 60

tagctgtaca ggcgtagcacc accatgcccg actaattttt gtacttttag tagagattgg 120

gtttcacctg gttggtcagg ctggcttga actcctgacc tcaagtgatc tgcctgcctc 180

agcctccc 188

<210> 156

<211> 140

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1601_mM-31+++ (see Figure 3)

<400> 156

cagcttactg caacctttgc ttccagttt caagtgattc tcctgtctca tgctccagag 60

aaccgggtac tacaggcaca cgccaccatg ctgggctaataatttatgtt cttagaatag 120

agattgggtt tcaccgattt 140

<210> 157

<211> 190

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1601_mM-30+++ (see Figure 3)

<400> 157

tggctcactg caacctctgc caccgggatt taagcaattc tcctgcctca gcctcccag 60

tagctgggat tacaggcgcc tgccactgct ctgagctaatt tttgtattt ttgtagaga 120

cgggatttca ccatcttggc caggctgggt taaactcct gacctcatga tccaccgcc 180

tcggccttcc 190

<210> 158

<211> 292

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1401_mM-24+++ (see Figure 3)

<400> 158

tggcttactg gaaccttcgc ctccgggtt caagagattc ttctgcctta acctccgag 60

aggctgggac tacaggcatg cgccaccatg cccagctagg tttggattt ttaagagaga 120

tggggtttcc ccatgttggc caggatgac tcgatctctt gacctcgtga tctgtccggc 180

ttaagacttc caaactggtg ggagtacagg caatctgaat tcgtcgacaa gcttttctag 240

cctaggctag ctctagacac acgtgtgggg gcccgagctc gcggccgctg ta 292

<210> 159

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1401_mM-23+++ (see Figure 3)

<400> 159

cggttcattg caacctccgc ttctagggt ccagtgatcc tcctgcctca gtccccaag 60

tggctgggac tacaggcatg tgccaccaca tctggctaac tttgtatat ttagtagaaa 120

cagggtttca ccatgttggc caggctggtc tcgaactcct ggcctcaagt gatccaccg 180

ccttggcctc cc

192

<210> 160

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1401_mM-22+++ (see Figure 3)

<400> 160

cagctcaccg aaacctccgc ctacagggt caagtgttc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt ttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c

191

<210> 161

<211> 190

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1401_mM-21+++ (see Figure 3)

<400> 161

tggctcactg caacctctgc ctctggggt caagtaattc tcctgcctca gcctcccgag 60

tacctgggac tacaggcacc caccaccacg ctacagtaatt tttgtattt ttagtagaga 120

cggggtttca ccatattggc caggctggtc tcgaactcct gacctgtga tccccccgcc 180

tcggccgccc

190

<210> 162

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1401_mM-20+++ (see Figure 3)

<400> 162

cagctcaccg aaacctccgc ctcacagggt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt ttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 163

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1401_mM-19+++ (see Figure 3)

<400> 163

cagctcaccg aaacctccgc ctcacagggt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt ttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 164

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1401_mM-18+++ (see Figure 3)

<400> 164

cagctcaccg aaacctccgc ctacagggt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 165

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1401_mM-17+++ (see Figure 3)

<400> 165

gggaggccaa atcagatgga tcacttgagg tcaggagttc aagaaccacc ttatcaacat 60

gaagaatcct ggtctctact aaaactacaa aattagccag gtatcatggc aaatgcttgt 120

catcctagct actcagaagg ctgaggcaga ggaatcactt gaacctgtga ggcgaggaggtt 180

tcggtgagct g 191

<210> 166

<211> 193

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1401_mM-16+++ (see Figure 3)

<400> 166

cagctcactg caacctcccc ctctggggtt caagcgattc tcttgcctca gcctcctgag 60

tagctgggat tacaggtgcc caccaccacg cccagttaat tttttagt ttagtacag 120

acgaggttcc actgtgctga tcaggctagt ctgaaactcc tgacctcagg tgatccacct 180

gccttggcat ctc 193

<210> 167

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1401_mM-14+++ (see Figure 3)

<400> 167

cagctcaccg aaacctccgc ctacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 168

<211> 194

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1401_mM-10 (see Figure 3)

<400> 168

cagctgactg cagtcttgac ctgaaaggct caagcgatcc tccacctct cagcctcaca 60

agtagctggg actactactg acacgcctca ccacaccag cattttttt ttttgtaga 120

aacagggttt cattatgttg cccagggtgg tctcaaactc ctgagctcaa gtgacacctc 180

ccactcggcc tccc 194

<210> 169
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1401_mM-8 (see Figure 3)

<400> 169
cagctcaccg aaacctccgc ctcacagggt caagtgttc ctctgcctca gccttctgag 60
tagctaggat gacaagcatt tgccatgata cctggctaatt ttgtatttt tagtagagac 120
caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180
tttggcctcc c 191

<210> 170
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1401_mM-7 (see Figure 3)

<400> 170
cagctcaccg aaacctccgc ctcacagggt caagtgttc ctctgcctca gccttctgag 60
tagctaggat gacaagcatt tgcatgata cctggctaatt ttgtatttt tagtagagac 120
caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180
tttggcctcc c 191

<210> 171
<211> 191
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1401_mM-6 (see Figure 3)

<400> 171

cagctcacca caacctccgc ctctggggtt ccagcgattc tctgcctcg gcctcccaag 60

tagctgggat tacaggcacg caccaatata cctggctaata tttgtatttt tagcagagac 120

agggtttctc catgttggtc aacctgggtt gtaactcctg acctcgggta atcaaccac 180

ttcagcctcc c 191

<210> 172

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1401_mM-5 (see Figure 3)

<400> 172

cagctcactg caacctccat ttctggggtt caagcgattc tctgcctca gcctccggag 60

tagctgggac cacagacgtg tgccaccatg cctgggtaata ttcatattt tcagtagagg 120

tggggctttg ccacattgct caggctgggtc ttgaactcct gacctcaggt gatccgcccg 180

cctcagcctc cc 192

<210> 173

<211> 193

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK1401_mM-4 (see Figure 3)

<400> 173
tggtcactg caacctccgc ctcccaggtt caagcaattc tcctgcctca gtctcccag 60
tagctgggac taccggcgag tgctaccatg cctgcgtaat ttttgtact ttagtagag 120
ttggagtttc actacgttgg ccaggctggt ctcaaactcc tggcctcaag tgatctgccg 180
gcctcagcct ccc 193

<210> 174
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1401_mM-3 (see Figure 3)

<400> 174
cggctcactg caagctccgc ctcccgggtg cagccattc tcctgcctca gcctcccag 60
tagctgggac tacaggcgcc cgccaccacg cccggctaata ttttgtatt ttagtagag 120
gcagggtttc actgtgttag ccaggatggt ctgatctcc tgacctcgtg atccgcccgc 180
ctctgcctcc c 191

<210> 175
<211> 208
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1401_mM-2 (see Figure 3)

<400> 175
tgattctct gcctcagcct cccaagtagc tgcgattaca ggcacccgcc accacacca 60
actaattttg tatttttagt agagacaggt ttctccatg ttgtcaggc tagtctcga 120

ttcctgacct caggatgatct gcctgccttg gcttcccaaa gtgctgggat tacaggcgtg 180

agccactgtg cctggccaaa gctatttc 208

<210> 176

<211> 542

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk1401_mM-2 (see Figure 3)

<400> 176

cagctcactg caacctcacc tcccggttc aagtattct cctgcctcag cctcccaagt 60

agctgcgatt acaggcatcc gccaccacac ccaactaatt ttgtatttt agtagagaca 120

ggttttctcc atgttggtca ggctagtctc gaattcctga cctcaggtga tctgcctgcc 180

ttggcttccc aaagtgtgg gattacaggc gtgagccact gtgcctggcc aaagctattt 240

ctttttctt ttctctttt tttttttt ttgagacgga gtctcgtgt gtccccagg 300

ctggagtaca atggcatgat ctgggtcac tgcaacctct gcctcccagg ttcaagcga 360

tttctgcc tcagcctccc gagtagctgg gattacaggc acccaccacc gtgcccagct 420

aattttgta tcttaatag agatggggtt tcaccatctt ggccaggctg gtcttgaact 480

cctgacctca tgatccacc acctcagtct cccaaactgc tgggagtaca gaatctgaat 540

tc 542

<210> 177

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from BDc_m34-4-----BD (see Figure 3)

<400> 177

tggctcactg taacctccac ctctggatt caagtgattc tcctgcctca gcctcccacg 60

tagctgggac tacaggcaca cgacaccgca cccagctcat ttgtatttt tagtagagac 120

agggtttcac tatgtggcc aggctgggtc caaacttctg acctcaggtg atccaccac 180

ctcagccttc c 191

<210> 178

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from SZb_m37-10+++ (see Figure 3)

<400> 178

cggctcactg cagcctctac ctccatggt caagccatcc tccagtctca gcctctggag 60

tagttgggat tacagatgtg taccacctcg cctggctaatt tttgtattt ttagtagaga 120

tggggttttg ccatgttggc caggctgac tcagattcct gatctcaggt gatccacctg 180

ccttggcctc cc 192

<210> 179

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from SZb_m37-9+++ (see Figure 3)

<400> 179

ggctcactgc agcctctacc tccatgttc aagccatcct ccagtctcag cctctggagt 60

agttgggatt acagatgtgt accacctcgc ctggctaatt ttgtatttt tagtagagat 120

ggggttttgc catgttggcc aggctgatct cagattcctg atctcaggtg atccacctgc 180
cttggcctcc c 191

<210> 180
<211> 192
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from SZb_m37-7+++ (see Figure 3)

<400> 180
cggctcactg cagcctctac ctccatgtt caagccatcc tccagtctca gcctctggag 60
tagtgggat tacagatgtg taccacctcg cctggctaatt tttgtattt ttagtagaga 120
tggggttttg ccatgttggc caggctgata tcagattcct gatctcaggt gatccacctg 180
ccttggcctc cc 192

<210> 181
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from SZb_m37-5+++ (see Figure 3)

<400> 181
cagctaccg aaacctccgc ctacaggtt caagtattc ctctgcctca gccttctgag 60
tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtattt tagtagagac 120
caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180
tttggcctcc c 191

<210> 182
<211> 401
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from SZb_m37-3+++ (see Figure 3)

<400> 182
cagctatgac ctgattacgc caagctctaa tacgactcac tatagggaaa gctcgggtacc 60
acgcatgctg cagacgcgtt acgtatcgga tccagaattc gtgattgccg ggacttcgaa 120
ccgtctgggc tgcctgaaag ctggactac caggggtaag cggttcaggg gcctcattat 180
caacaggaac tgtgatgaca tgtactaaca aactgccca ggtcgggttt gatggcaaat 240
gcaggacata caaaatacta atatggctgc agggctggaa tcaatcgaac gtgggaggga 300
tccgtctgcc tgagccgaca aagctgatgc aagtccaac atgaattcgt cgacaagctt 360
ctcgagccta ggctagctct agaccacacg tgtggggggc c 401

<210> 183
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BDc_m34-10-----BD (see Figure 3)

<400> 183
cagctaccgc aaacctccgc ctacaggtt caagtgttc ctctgctca gccttctgag 60
tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120
caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180
tttggcctcc c 191

<210> 184
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from SZb_m37-2+++ (see Figure 3)

<400> 184
cagctcaccg aaacctccgc ctacagggt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt ttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 185
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BDc_m34-3-----BD (see Figure 3)

<400> 185
tggctcactg taacctccac ctctggatt caagtgattc tcctgcctca gcctcccacg 60

tagctgggac tacaggcaca cgacaccgca cccagctcat ttgtatttt tagtagagac 120

agggtttcac tatgttgcc aggctggtct caaacttctg acctcaggtg atccaccac 180

ctcagccttc c 191

<210> 186
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BDc_m34-1-----BD (see Figure 3)

<400> 186
cagctcaccg aaacctccgc ctcacagggt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt ttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 187
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk211201_M39-2-----BD (see Figure 3)

<400> 187
cagctcaccg aaacctccgc ctcacagggt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt ttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 188
<211> 192
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from CtrlC_m57-2 (see Figure 3)

<400> 188

tggctcactg caacctccac ctccgggtt caagcaattc tcgtgcctca gccacctgag 60

tagctgggat tataggtgtg cgccaccaca cccggctaatt tttaaattt ttgtagaga 120

cggggtttca ccctgttggc caggctggcc tcgaactcct aatctcaggt gatctgccca 180

ccttggcctc cc 192

<210> 189

<211> 202

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from BDd_m43-19-----BD (see Figure 3)

<400> 189

cagctgactg caacctccac ttcccaggtt caagcgattc tcctgcctca gcctcctgag 60

tagctggaac tagaagcgtg caccaccaca tcccgctaatt tgtgtgtgtg tgtgtgtgtt 120

tgtttagtaa aggggggggtt tcacatgtt ggtcaggctg gtctcgaact cctgacaggt 180

gatccaccg ccttggcctc cc 202

<210> 190

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from SZc_m37-26+++ (see Figure 3)

<400> 190

cagctcaccg aaacctccgc ctacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt ttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 191

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from BDd_m34-19-----BD (see Figure 3)

<400> 191

tggtcactg taacctctgc ctctgggtt caagtaattc tcctgtctca gcctcctgag 60

tagctaggat tactgggtgcc cgccaccatg cccggcaaatt tttgtattt ttagtagaga 120

tggggtttca ctatgttgcc cagggtgggtc tcaaactcct gacctcaagt gatccacctg 180

cttcagcttc cc 192

<210> 192

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from BDd_m34-14-----BD (see Figure 3)

<400> 192

cagcccagtg caagctccgc ctcccagggt cactgcattc tctgcctca gcctcccagag 60

tagctgggac tacaggcgcc cgccaccacg cccagctaatt ttttgtatt ttagtagag 120

acaaggtttc accgtattag ccgggatggt cgctatctcc tgacctctg atctgcccgc 180

ctcggcctct c 191

<210> 193
<211> 192
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BDd_m43-14-----BD;DNA (see Figure 3)

<400> 193
ctctgctcac tgcagcttct gcctcccggt ttcaagtgat tctcctgcct cagcctcctg 60

agtagctggg actacaggca tgcaccacca caccagcta attttgtat ttttagtaga 120

gacgggggtt caccatgttg gccaggatgg tctctatctc ttgacctcat gatccgcccg 180

cctcagcctt cc 192

<210> 194
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from SZc_m37-15+++ (see Figure 3)

<400> 194
cagctcaccg aaacctccgc ctcacagggt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatatt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 195
<211> 190
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from SZc_m37-10+++ (see Figure 3)

<400> 195

cagctcactg caggctccgc ctcccgggtt cagccattc tctgcctca gcctccgag 60

tagctgggac tacaggcgcc caccacatg cccagctaatt tttgtattt ttagcaaaga 120

cagggtttca ccatgttagc caggatggc tcgatctct gacctatga tccacctgcc 180

tcggcctccc 190

<210> 196

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from SZc_m37-7+++ (see Figure 3)

<400> 196

cagtcaccg aaacctccgc ctacagggtt caagtattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtattt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 197

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from SZc_m37-5+++ (see Figure 3)

<400> 197
cagctcaccg aaacctccgc ctacagggtt caagtgattc ctctgcctca gccttctgag 60
tagctaggat gacaagcatt tgccatgata cctggctaatt ttgtatttt tagtagagac 120
caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180
tttggcctcc c 191

<210> 198
<211> 190
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from SZc_m37-3+++ (see Figure 3)

<400> 198
cagctcactg caggctccgc ctcccgggtt cagccattt tctgcctca gcctccccag 60
tagctgggac tacaggcgcc catcaccatg cccagctaatt ttgtatttt ttagcaaaga 120
cagggtttca ccatgttagc caggatggtc tcgatctcct gacctcctga tccacctgcc 180
tcggcctccc 190

<210> 199
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from pk0301_M39-14-----BD(see Figure 3)

<400> 199
aagctcaccg aaacctccgc ctacagggtt caagtgattc ctctgcctca gccttctgag 60
tagctaggat gacaagcatt tgccatgata cctggctaatt ttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 200

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK0301_M37-14+++ (see Figure 3)

<400> 200

cagctcaccg aaacctccgc ctacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 201

<211> 190

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK0301_M37-11+++ (see Figure 3)

<400> 201

cagctcaccg aaacctccgc ctacaggtt caagtgattc ctatgcctta gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120

caggattctt catgttgata aggcggttct tgaactcctg acctcacatg atccatttga 180

tttggcctcc 190

<210> 202
<211> 190
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from RevCompSZB_M37-6+++ (see Figure 3)

<400> 202
cagctcactg gcagctctcaa tcttccaagt tcaaggtgat tatcccatct cagcctcccg 60

agtagctgaa actacaggtg catactacca cgcctagcta atttttttt gtagagatgg 120

ggttttggcc atgttgccca ggctgctctc gaacttctgg gcacaagtgg tccaccacc 180

ttggcctccc 190

<210> 203
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from RevCompPK1401_mM-17+++ (see Figure 3)

<400> 203
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt ttgtagttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttgacctcc c 191

<210> 204
<211> 191
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from RevCompPK1601mM-33+++ (see Figure 3)

<400> 204

cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt ttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 205

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from RevCompPK1601mM-39+++ (see Figure 3)

<400> 205

cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt ttgtatttt tagtagagac 120

caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

<210> 206

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from CUTPK1601_mM-1_m57-6 (see Figure 3)

<400> 206

gaaccacat tacgccaact ctaatacgac tcactatagg gaaagctcgg taccacgcat 60
gctgcagacg cgttacgtat cggatccaga attcgggatt ggagggtgtt tgcacaatct 120
cagctcactg caggctccgc ctcccgggtt cacgccattc tctgcctca gcctcccag 180
tagctgggac tacaggcgcc caccacatg cccagctaatt tttgtattt ttagcagaga 240
cgggggttca ccatgttggc caggatggtc tccaaactcc tgacctctg agacacctgt 300
gtcgggggtcc caaactgtgg gagtacaggc aactctgaat ttttgacaa gactcttca 360
gcctatgcta ctatctacac cacaccgctt gggggcccca gctcgcggcc gctgtattat 420
ataata 426

<210> 207

<211> 419

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from CUTPK1601mM-57+++ (see Figure 3)

<400> 207

catctatgac atgattgccc cgattctcca agctctaatt ctactgaatg ttcggaacgc 60
tccatccacg catgccgtaa acgctttact cctcgggtcc agaatgcggg attgcctgta 120
cttccatcag ttagggaggc caaatcctac ggatcatatg aggctatgag accaagaccc 180
accttatcaa catgaagaat cctgggtctct actaaaaata caatattagc caggtttcat 240
ggtatatgct tgtaatccta gctactcaca aggctgaggc agaggaatta cttgaacctg 300
tgaggcggag gtttcggtga gctgagattg tccaaacacc ctccaatctg aattcgttga 360
caagcttttc gagcctaggc tagctctaga ccacacgtgt gggggcccca gctcgcggt 419

<210> 208

<211> 380
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from CUTPK1601mM-55+++ (see Figure 3)

<400> 208
acgttgccctg ttcgcagtta tcgctacttg ggaagtcgtc ccatctgagc cgtcgcacga 60
tccagaatcg gattggaggt gttgccaaca ttgagtcact gcagctttga cctcctgagt 120
gcatgtggct tattccacct caacctcctg aggagttggg accaccagtg ttcaacacca 180
catcaggcta atttaatat tttagaaat gaagacttac tattatgtcc aggctagtat 240
taaaatactg gggttaagca agactcccc ctgtgtgtc ccaaagtctg gggggacaac 300
aggtattgat tttcgacaa gcttcttga gcctccgatg gttctataca ccacacgtgg 360
ggcccgagct ctgccgctg 380

<210> 209
<211> 192
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from utPK1601mM-39+++ (see Figure 3)

<400> 209
gggaggccaa atcagatgga tcctctgagg tcaggagttc aagaaccacc ttatcaacat 60
gaagaatcct ggtctctact aaaaatacaa aattagccag gtatcatggc aaatgcttgt 120
catcctagct actcagaagg ctgaggcaga ggaatcactt gaacctgtga ggccggagggtt 180
tcggtgagct ga 192

<210> 210
<211> 211
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from CutPK1601mM-37+++ (see Figure 3)

<400> 210
gggagggtgt ttgcacaat ctcagctcac cgcaacctt gcctcacggg ctcaagtgat 60
tctcatgctt gactctacca agtagctggg attacaggca catgccatca tgctgagcta 120
actttggtat ttttggtaga gacgaggttt caccatgttg gccaggctgt ctcaaactcc 180
tgacctcaga tgatccgtcc acctcagcct c 211

<210> 211
<211> 193
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from CutPK1601mM-33+++ (see Figure 3)

<400> 211
tgggaggcca aatcagatgg atcatctgag gtcaggagtt caagaaccac cttatcaaca 60
tgaagaatcc tggctcttac taaaaataca aaattagcca ggtatcatgg caaatgcttg 120
tcacctagc tactcagaag gctgaggcag aggaatcact tgaacctgtg aggcggaggt 180
ttcggtgagc tga 193

<210> 212
<211> 141
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from CutPK1601_mM-31+++ (see Figure 3)

<400> 212
tcagcttact gcaaccttg cttcccagtt tcaagtgatt ctctgtctc atgctccaga 60

gaacccggta ctacaggcac acgccacat gtcgggctaa taatttatgt tcttagaata 120

gagattgggtt ttcaccgatt t 141

<210> 213
<211> 193
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from CutPK1401_mM-17+++ (see Figure 3)

<400> 213
tgggaggcca aatcagatgg atcatctgag gtcaggagtt caagaaccac cttatcaaca 60

tgaagaatcc tggctcttac taaaactaca aaattagcca ggtatcatgg caaatgcttg 120

tcatcctagc tactcagaag gctgaggcag aggaatcact tgaacctgtg aggcggaggt 180

ttcggtgagc tga 193

<210> 214
<211> 221
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from CutPK1401_mM-2_1+++ (see Figure 3)

<400> 214
tcagctcact gcaacctcac ctccggggtt caagtgattc tctgcctca gcctccaag 60

tagctgcgat tacaggcatc cgccaccaca cccaactaat tttgtatttt tagtagagac 120

aggttttctc catgttggtc aggctagtct cgaattcctg acctcaggtg atctgcctgc 180

cttggcttcc caaagtgctg ggattacagg cgtgagccac t 221

<210> 215

<211> 239

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from CutPK1401_mM-2_2+++ (see Figure 3)

<400> 215

gagacggagt ctcgctgtgt cccccaggct ggagtacaat ggcatgatct cggctcactg 60

caacctctgc ctcccagggt tcaagcgatt ttctgcctc agcctcccga gtagctggga 120

ttacaggcac ccaccaccgt gccagctaa ttttgtatc tttaatagag atggggtttc 180

accatcttgg ccaggctggt cttgaactcc tgacctcatg atccaccac ctcagtctc 239

<210> 216

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from CutSZB_M37-6+++ (see Figure 3)

<400> 216

tgggaggcca aggtgggtgg accacttgtg ccagaagtt cgagagcagc ctgggcaaca 60

tggccaaaac cccatctcta caaaaaaaaa ttagctaggc gtggtagtat gcacctgtag 120

tttcagctac tcgggaggct gagatgggat aatcaccttg aacttggaag attgagactg 180

ccagtgagct ga

192

<210> 217
<211> 189
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from CutSZB_M37-3+++ (see Figure 3)

<400> 217
tgccgggact tcgaaccgtc tgggctgcct gaaagcttgg actaccaggg gtaagcggtt 60
caggggcctc attatcaaca ggaactgtga tgacatgtac taacaacact gccaggtcgc 120
ggtttgatgg caaatgcagg acatacaaaa tactaatatg gctgcagggc tggaatcaat 180
cgaacgtgg 189

<210> 218
<211> 390
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK37-9RfWithM13R (see Figure 3)

<400> 218
gcgagaaagg aaggaagaa agcgaaagga gcgggcgcta gggcgctggc aagtgtagcg 60
gtcacgtgc gcgtaaccac cacaccgcc gcgcttaatg cgccgctaca gggcgcgctcc 120
attcgccatt caggctgcgc aactgttggg gaaggcgat cggtgcgggc ctcttcgcta 180
ttacgccagc tggcgaaagg gggatgtgct gcaaggcgat taagttgggt aacgccaggg 240
tttccagt cagcaggtg taaaacgacg gccagtgaat tgtaatacga ctactatag 300
ggcgaattgg gccctctaga tgcattgctg agcggcgccc agtgtgatgg atatctgcag 360
aattcggtt gcctgtactc ccagcagttt 390

<210> 219
<211> 310
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK39-4RfWithM13R (see Figure 3)

<400> 219
ccacaccgc cgcgcttaat gcgccgtac agggcgcgtc cattgccat tcaggctgcg 60
caactgttgg gaagggcgat cggcggggc ctctcgcta ttacgccagc tggcgaaagg 120
gggatgtgct gcaaggcgat taagtgggt aacgccaggg tttccagc cagcagttg 180
taaaacgacg gccagtgaat tgaatacga ctactatag ggcgattgg gccctctaga 240
tgcattgctg agcgccgcc agtgtgatgg atatctgcag aattcggctt gcctgtactc 300
ccagcagttt 310

<210> 220
<211> 250
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK37-9RrWithM13R (see Figure 3)

<400> 220
gcctgtactc ccagcagttt gagaggccaa gatgggtgga tcactgagg tctagagctc 60
aagaccagcc tggcgacatg gtgaaacccc atcttacta aaaatataaa aatcagccag 120
gtgtggtggt gggcacctgt aacccagct actcaggagg ctgaggaagc cgaattccag 180
cacactggcg gccgttacta gtggatccga gctcgtacc aagcttggcg taatcatggt 240
catagctgtt 250

<210> 221
<211> 310
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK39-4RrWithM13R (see Figure 3)

<400> 221
gcctgtactc ccagcagttt gagaggccaa atcagatgga tcatctgagg tcaggagttc 60
aagaaccacc ttatcaacat gaagaatcct ggtctctact aaaaatacaa aattagccag 120
gtatcatggc aaatgcttgt catcctagct actcagaagg ctgaggcaga ggaatcactt 180
gaacctgtga ggcggaggtt tcggtgagct gagattgtgc aaacaccaag ccgaattcca 240
gcacactggc ggccgttact agtggatccg agctcggtag caagcttggc gtaatcaggt 300
catagctgtt 310

<210> 222
<211> 549
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK34-6rwithM13R (see Figure 3)

<400> 222
gcctgtactc ccagcagttt tgagagggtca aggaaggagg atcagttgag tccgggagtt 60
tgagatgagc ctgggcaaca tggcaaaacc tcgtctctac aaaaataca aaaaaagtaa 120
gccgggcatg gtggagaggc tattcggcta tgactgggca caacagacaa tcggctgctc 180
tgatgccgcc gtgtccggc tgtcagcgca ggggcgccc gttcttttg tcaagaccga 240
cctgtccggt gccctgaatg aactgcagga cgaggcagcg cggctatcgt ggctggccac 300

gacgggcggt ccttgcgcag ctgtgctcga cgttgtcact gaagcgggaa gggactggct 360
 gctattgggc gaagtgccgg ggcaggatct cctgtcatcc caccttgctc ctgccgagaa 420
 agtatccatc atggctgatg caatgcggcg gctgcatacg ctgatccgg ctacctgccc 480
 attcgaccac caagcgaaac atcgcatcga gcgagcacgt actcggatgg aagccgggtct 540
 tgtcgatca 549

<210> 223

<211> 604

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK37-1 with M13R (see Figure 3)

<400> 223

aacagctatg acctgattac gccaaagctg gtaccgagct cggatccact agtaacggcc 60
 gccagtgtgc tggaattcgg cttagcctgta ctcccagcag ttgggaggc caaatcagat 120
 ggatcatctg aggtcaggag ttcaagaacc accttatcaa catgaagaat cctggtctct 180
 actaaaaata caaaattagc caggtatcat ggcaaatgct tgtcatccta gctactcaga 240
 aggctgaggc agaggaatca cttgaacctg tgaggcggag gtttcggtga gctgagattg 300
 tgcaaacacc ctccaagccg aattctgcag atatccatca cactggcggc cgctcgagca 360
 tgcatctaga gggcccaatt cgccctatag tgagtcgtat tacaattcac tggccgtcgt 420
 tttaaacgt cgtgactggg aaaaccctgg cgttcccaac ttaatgcct tgcagcacat 480
 cccctttcg cagctggcgt aatagcgaag agggccgcac cgatcgccct tcccaacagt 540
 tgcgcagcct gaatggcgaa tggacgcgcc ctgtagcggc gcattaagcg cggcgggtgt 600
 ggtg 604

<210> 224
<211> 521
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK37-1rwithM13R (see Figure 3)

<400> 224
gcctgtactc ccagcagttt gggaggccaa atcagatgga tcattctgagg tcaggagttc 60
aagaaccacc ttatcaacat gaagaatcct ggtctctact aaaaatacaa aattagccag 120
gtatcatggc aaatgcttgt catcctagct actcagaagg ctgaggcaga ggaatcactt 180
gaacctgtga ggcggagggtt tcggtgagct gagattgtgc aaacaccctc caagccgaat 240
tctgcagata tccatcacac tggcggccgc tcgagcatgc atctagaggg cccaattcgc 300
cctatagtga gtcgtattac aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa 360
accctggcgt tcccaactta atgccttgc agcacatccc ctttcgcag ctggcgtaat 420
agcgaagagg cccgcaccga tcgcccttc caacagtgc gcagcctgaa tggcgaatgg 480
acgcgccctg tagcggcgca ttaagcgagg cgggtgtggt g 521

<210> 225
<211> 531
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK34-2withM13R (see Figure 3)

<400> 225
gcctgtactc ccagcagttt gggaggccga ggcgggcaga ttgcctgagc tcaggagttc 60
gaaaccagcc tggacaacac ggtgaaaccc tgtctctact aaaaatacaa aaaattagcc 120

agacgtggtg gtgcatgcct gtagtcccag ctagtcagga ggctgaggca ggagaatcac 180
 ttgaaccag caggaaaagg ttgtggtgag ctgagattgt gcaaaccaccc tccaagccga 240
 attctgcaga tatccatcac actggcggcc gctcgagcat gcatctagag ggccaattc 300
 gccctatagt gagtcgtatt acaattcact ggccgtcgtt ttacaacgtc gtgactggga 360
 aaaccctggc gttaccaaac ttaatgcct tgcagcacat tccccttcg ccagctggcg 420
 taatagctaa gaggcccgca ccgctgtcc ctccaaca gtgcgagc ctgaatggcg 480
 aatggacgcg ccctgtagcg gcgcatgaag cgcggcgggt gtggtggtta c 531

<210> 226

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK34-7withM13R (see Figure 3)

<400> 226

ggagggtgtt tgcacaatct cggcttactg caacctccac tcctgggctt aaacggctct 60

cccacatcat ctcccgagt agcagggtcc acagggtgcac accaccatgc ctggctatat 120

tttttttt ttggatttt tgataaagac aggatgtcaa catgttgccc acgtggtct 180

tcaaccctt gaactcaaat tcattgctt ctgcctcca aactgggtgg agtcttgagg 240

tggcggaacc acctgatgtt acgaatatga gacttttcgg cctgattccg gccaaactct 300

cgtcttattt ttataatct aataaatccc atctaggggc tagggt 346

<210> 227

<211> 399

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
<222> (49)..(49)
<223> n is a, g, c, or t

<220>
<221> misc_feature
<223> Alu sequence cloned from PK34-8withM13R (see Figure 3)

<400> 227
ggagggtgtt tgcacaatct cagctcaccg aaacctccgc ctcacaggnt caagtgattc 60
ctctgcctca gccttctgag tagctaggat gacaagcatt tgccatgata cctggctaata 120
tttgacttt tagtagagac caggattctt catgttgata aggtggttct tgaactcctg 180
acctcagatg atccatctga ttggcctcc caaactgctg ggagtacagg caagccgaat 240
tctgcagata tccatcacac tggcggccgc tcgagcatgc atctagaggg cccaattcgc 300
cctatagtga gtcgtattac aattcactgg ccggcggttt acaacgtcgt gactgggaaa 360
accctggcgt tacccaactt aatcgcttg cagcacatc 399

<210> 228
<211> 429
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK34-9withM13R (see Figure 3)

<400> 228
gcctgtactc ccagcagttt gggagggtcaa ggtggagaga tcacttgagg tcaggagttc 60
gagaccagcc taaccaatat gatgaaaccc catctctact aaaaatacaa aaattagccg 120
ggcgtggtgg tgcgcacctg taatcccagc tactcaggag gctgaggcag gagaattgct 180
tgaaccaggg agtcggaggt tgcagtaagc caagattgtg caaacaccct ccaagccgaa 240

ttctgcagat atccatcaca ctggcgccg ctgagcatg catctagagg gcccaattcg 300
ccctatagt agtcgtatta caattcactg gccgtcgtt tacaacgtcg tgactgggaa 360
aacctggcg ttaccaact taatgcctt gcagcacatc ccccttcgc cagctggcgt 420
aatagcgaa 429

<210> 229
<211> 357
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK37-3.1withM13R (see Figure 3)

<400> 229
cctgtactcc cagcagtttg gaagtggatc acttgaggcc agggactcaa gaccaacctg 60
gccaatatgg caaaaccgg ctaaaaatac aaaaattagc tggacatggt tgcaggtgcc 120
tgtaatcca gctactcggg aggttggtgc atgagaatca cttgaacctg ggaggcagag 180
gctgcagcga gcagagattg tgcaaacacc ctaagccgaa ttctgcagat atccatcaca 240
ctggcgccg ctgagcatg catctagagg gcccaattcg cccctatagt ggtcgcatt 300
acaatttact ggcccgtcgt ttacaaccg tcccgactgg gaaaaccctg gcgttac 357

<210> 230
<211> 517
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK37-7withM13R (see Figure 3)

<400> 230
gcctgtactc ccagcagttt gggaggccaa atcagatgga tcactgagg tcaggagttc 60

aagaaccacc ttatcaacat gaagaatcct ggtctctact aaaaatacaa aattagccag 120
 gtatcatggc aaatgcttgt catcctagct actcagaagg ctgaggcaga ggaatcactt 180
 gaacctgtga ggccggagggt tcggtgagct gagattgtgc aaacaccctc caagccgaat 240
 tctgcagata tccatcacac tggcggccgc tcgagcatgc atctagaggg cccaattcgc 300
 cctatagtga gtcgtattac aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa 360
 accctggcgt tacccaactt aatcgcttg cagcacatcc cctttcgcc agctggcgta 420
 atagcgaaga ggcccgacc gatcgccctt cccaacagtt gcgcagcctg aatggcgaat 480
 ggacgcgccc tgtagcggcg cattaagcgc ggccgggt 517

<210> 231

<211> 566

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK39-2withM13R (see Figure 3)

<400> 231

gcctgtactc ccagcagttt gggaggctga ggccggttga tcacaagggt aggagtttga 60
 ggccagcctg gccataaga tgaaacccca tctgtactaa aaatacaaaa attagccaaa 120
 cgtggtgggt ggccactgta gtcccagcta cttgggaggc tgaggcaaaa aaattgcttg 180
 aacctgggag gcggagggtg cagcgagctg agattgtgca aacaccctcc aagccgaatt 240
 ctgcagatat ccatcacact ggccggccgt cgagcatgca tctagagggc ccaattcgcc 300
 ctatagttag tcgtattaca attcactggc cgctcgttta caacgtcgtg actgggaaaa 360
 ccctggcggt acccaactta atcgccctgc agcacatccc cctttcgcca gctggcgtaa 420
 tagcgaagag gcccgcaccg atcgcccttc caacagttgc gcagcctgaa tggcgaatgg 480
 acgcgccctg tagcggcgca ttaagccccg gcgggtgtgg tggttacgag cagcgtgacc 540

gctacacttg ccagcgccct agcgcc

566

<210> 232

<211> 522

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from BD43-13 (see Figure 3)

<400> 232

gcctgtactc ccagcagttt gggaggccga ggtgggcgga tggcctgaag ccaggagttt 60

gagactagcc tggcctacat ggtgaaaacc tgtctctact aaaaatacaa taattagccg 120

gacatggtga cacctataat accagctact cgggaagctg agccatgaga attgcttgaa 180

cccgaaggt ggaggttgca gtgagctgag attgtgcaaa caccctccgg ctgggtgtgg 240

cggaccgcta tcaggacata gcgttggtta cccgtgatat tgctgaagag ctggcgggcg 300

aatgggctga ccgttcctc gtgctttacg gtatcgccgc tcccgattcg cagcgcatcg 360

ccttctatcg ccttctgac gaggttctct gaattgaaaa aggaagagta tgagtattca 420

acatttcctg gtcgccctta ttccctttt gcggcatttt gccttctgt ttgctcacc 480

cacaaacct ggtgaaagta aaagatgctg aagatcagtt gg 522

<210> 233

<211> 374

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from BD43-18withM13R (see Figure 3)

<400> 233

gcctgtactc ccagcagttt gggaggccaa agcggacgga tcatatgagg tcgagagttc 60

aagaacatg ttatcaatgt gaaaaatctg ggtctatact aaaaacacaa atttaccag 120
ggttgatgga agatgctggt catcctaatt cctcagaagg ctgaggcaga ggaatcattt 180
gaacctggga ggcgagcgtt caggggacct gaaatggggc aaccaccttc aaagccgaat 240
tttgcaaatt tccataacat ggggggcgcg ttcaaccttg cttttaagg gccatttcc 300
cttatatgga gtcgatttac aattaacggg cggtcgtttt acaccttgg atgggaaaaa 360
ccctgcgtac ccca 374

<210> 234

<211> 499

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from Ctrlm57-7withM13R (see Figure 3)

<400> 234

acaatcggt gctctgatgc cgccgtgttc cggctgtcag cgcaggggcg cccggttctt 60
tttgtaaga ccgacctgtc cggcgccctg aatgaactgc aggacgaggc agcgcggtta 120
tcgtggctgg ccacgacggg cgctccttgc gcagctgtgc tcgacgttgt cactgaagcg 180
ggaagggact ggctgctatt gggcgaagtg ccggggcagg atctcctgtc atcccacctt 240
gctcctgccg agaaagtatc catcatggct gatgcaatgc ggcggtgca tacgcttgat 300
ccggctacct gccattcga ccaccaagcg aaacatcgca tcgagcgagc acgtactcgg 360
atggaagccg gtcttgtcga tcaggatgat ctggacgaag agcatcaggg gtcgcgcca 420
gccgaactgt tcgccaggct caaggcgcg atgcccgcgc gcaggatctc gtcgtgacca 480
tggcgatgcc tgcttgcca 499

<210> 235

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from pk50-26withM13R(-46) (see Figure 3)

<400> 235

ttaaaaccga aatgccatga tacgccaagc ttgtaccga gctacggacc cactagctaa 60

cggccgcag tgtgcctgac ctctatccc tgcacgatat ccactcacac tgctggctgt 120

ccgtgcatgc atctaccggg ctcaattgc cctatagtga gtcggattac aattcactgg 180

ccgtcgtttt acaacgtcgt gactgggaaa accctgggtgt tacccaactt aatgccttg 240

cagcacatcc cctttcgcc agcttggcgc aatagcgaag aggcatcgct ccgatcgccc 300

ttccaacag cttgcgcagc cagaatggct aatggacgcg ccctgtctcc ggccgcatta 360

atccgcggcg ggtgtggcgg ttaccccgca gcagtg 396

<210> 236

<211> 468

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK34-1withM13R (see Figure 3)

<400> 236

ggagggtgtt tgcacaatct ggagggtgtt tgcacaatct cggctcacca caacctctac 60

ctcccaggtt caagcaattc tgcctcagcc tccaagtag ctgggactac aggcgtgcac 120

caccacacct ggctaatttc tgtattttta gtagaaacag ggtttcacca tgttggccag 180

gctggtctcg aactcctgac cttgtgatcc gcctaccttg gctttccaaa ctgctgggag 240

tacaggcaag ccgaattctg cagatatcca tcacactggc ggccgctcga gcatgcatct 300

agagggccca atccgcccta tagtgagtcg tattacaatc cactggccga agtttacaac 360

ggcgtgactg ggaaaaccct ggcgttaccc aacttaatcg ccttgcagca catccccctt 420

tcgccagctg gcgaaatagc gaagaggccc gcaccgatcg cccttccc 468

<210> 237

<211> 517

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK34-3withM13R (see Figure 3)

<400> 237

ggagggtgtt tgcacaatct ctgtcacta caacttctac ctcccaggct caagcaatcc 60

tcccatgtag ctgggaccac aggtgtgcac caccatgccca agctaatttt tgtatttttt 120

tgtagagtga gggttcacca tattgcccag gttggtcttg aactcctaag ctcaagcaat 180

ccacctgcct cagcttctca aactgctggg agtacaggca agccgaattc tgcagatatc 240

catcacactg gcggccgctc gagcatgcat ctagagggcc caattcgccc tatagtgagt 300

cgtattacaa ttcactggcc gtcgttttac aacgtcgtga ctgggaaaac cctggcgtta 360

cccaacttaa tcgccttgca gcacatcccc ctttcgccag ctggcgtaat agcgaaaagg 420

cccgaccga tcgcccttcc caacagttgc gcagcctgaa tggcgaatgg acgcgcctg 480

tagcggcgca ttaagcgcgg cgggtgtggt ggttacg 517

<210> 238

<211> 529

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK34-4withM13R (see Figure 3)

<400> 238

ggagggtgtt tgcacaatct cggctcatgg caccctcgc ctccagatt caaatgatac 60
tctgcctca gcctcctgag tagctgggat tacatgcatg cgccaccatg ccagactaat 120
ttttgtatt tttagtagag acgggggttc accatgttgg ccagactaga ctgaactcc 180
tgacctgtg atccaccac ctcaacctcc caaactgctg ggagtacagg caagccgaat 240
tctgcagata tccatcacac tggcggccgc tcgagcatgc atctagaggg cccaattcgc 300
cctatagta gtcgtattac aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa 360
accctggcgt tacccaactt aatgccttg cagcacatcc cccttcgcc agctggcgta 420
atagcgaaaa ggcccgacc gatcgccctt cccaacagtt gcgcagcctg aatggcgaat 480
ggacgcgcc ttagcggcg cattaagcgc ggcgggtgtg gtggttacg 529

<210> 239

<211> 436

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK34-5withM13R (see Figure 3)

<400> 239

ggagggtgtt tgcacaatct cagctaccg aaacctccgc ctacaggtt caagtattc 60
ctctgcctca gccttctgag tagctaggat gacaagcatt tgccatgata cctggctaata 120
tttgatatt tagtagagac caggattctt catgttgata aggtgggtct tgaactcctg 180
acctcagatg atccatctga ttggcctcc caaactgctg ggagtacagg caagccgaat 240
tctgcaaata tccatcacac tggcggccgt tcgagcatgc atctaaagg cccaattcgc 300
cctataggtg agtcgtatta caattcactg gccgtcgttt tacaacgtcg tgactgggaa 360
aaccctggcg ttaccaact taatgcctt gcagcacatc cccttcgcc cagctggcgt 420

aatagcgaag aggccc

436

<210> 240

<211> 521

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK37-1 with M13R (see Figure 3)

<400> 240

gcctgtactc ccagcagttt gggaggccaa atcagatgga tcactgagg tcaggagttc 60

aagaaccacc ttatcaacat gaagaatcct ggtctctact aaaaatacaa aattagccag 120

gtatcatggc aaatgcttgt catcctagct actcagaagg ctgaggcaga ggaatcactt 180

gaacctgtga ggcggagggtt tcggtgagct gagattgtgc aaacaccctc caagccgaat 240

tctgcagata tccatcacac tggcggccgc tcgagcatgc atctagaggg cccaattcgc 300

cctatagtga gtcgtattac aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa 360

accctggcgt tcccaactta atgccttgc agcacatccc ccttcgcag ctggcgtaat 420

agcgaagagg ccgcaccga tcgcccttcc caacagtgc gcagcctgaa tggcgaatgg 480

acgcgccctg tagcggcgca ttaagcgcg cggtgtggt g 521

<210> 241

<211> 482

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK37-2 with M13R (see Figure 3)

<400> 241

ggagggtgtt tgcacaatct cagtcattg caattccag ctcccaggtt caagcgattc 60

tccttcctca gcctccaag tagttgggat tacaggcatg caccatcatg cccggctaata 120
 tttgtattt ttagtagaga cagggtttca ccatattggc caggctggc ttgaactcct 180
 gacctcgtgt tccaccacc tcagcctccc aaactgctgg gagtacaggc gaattctgca 240
 gatatccatc acactggcgg ccgctcgagc atgcatctag agggcccaat tcgccctata 300
 gtgagtcgta ttacaattca ctggccgtcg tttaacaacg tcgtgactgg gaaaaccctg 360
 gcgttaccca acttaatcgc ctgcagcac attcccttc gccagctggc gtaatagcga 420
 agaggccgc accgatcgcc ctccaaca gttgcgcagc ctgaatggc aatggacgcg 480
 cc 482

<210> 242
 <211> 525
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Alu sequence cloned from PK37-4withM13R (see Figure 3)

<400> 242
 ggagggtgtt tgcaaatct cagtcattg caacctccca ggttcaagcg attctcctgc 60
 ctcagcctcc tgagtagctg ggatcacagg tgtgtgccac cattcctggc taattttgt 120
 atttctagta gagatggggt ttaccatgt tggtcaggct ggtctcaaac tcctgacctc 180
 atgatctgcc caccttggcc tcccaaactg ctgggagtac aggcaagccg aattctgcag 240
 atatccatca cactggcggc cgctcgagca tgcatttaga gggccaatt cgccctatag 300
 tgagtcgtat tacaattcac tggccgtcgt tttaaacgt cgtgactggg aaaaccctgg 360
 cgttacccaa cttaatcgcc ttgcagcaca tcccccttc gccagctggc gtaatagcga 420
 agaggccgc accgatcgcc ctccaaca agttgcgcag cctgaatggc gaatggacgc 480
 gccctgtagt cggcgcatta agcgcggcgg gtgtggtggt tacgc 525

<210> 243
<211> 465
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK37-5withM13R (see Figure 3)

<400> 243
ggagggtgtt tgcacaatct cagctcacta caacctctgc ctcccagggt caagcgattc 60
tcatgcctcg gcttctcaag ttgctgggac tacgggcaca cgccagcacg gctggctaata 120
tttgtattt ttagtagaga cagggtttca cegtcttggc catgctgggtc tcaaactcct 180
gacctcatga tccacccgcc ttggcctccc aaactgctgg gagtacaggc aagccgaatt 240
ctgcagatat ccatcacact ggcgcccgct cgagcatgca tctagagggc ccaattcgcc 300
ctatagttag tcgtattaca attactggc cgtcgtttta caacgtcgtg actgggaaaa 360
cccctggcgt tacccaactt aatcgcttg cagcacatcc cccttcgcc agctggcgta 420
atagcgaaga ggcccgacc gatcgccctt cccaacagtt gcgcc 465

<210> 244
<211> 531
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK37-6withM13R (see Figure 3)

<400> 244
ggagggtgtt tgcacaatct cagctcaccg aaacctccgc ctcacagggt caagtattc 60
ctctgcctca gccttctgag tagctaggat gacaagcatt tgccatgata cctggctaata 120
tttgtattt tagtagagac caggattctt catgttgata aggtgggttct tgaactcctg 180

acctcagatg atccatctga ttggcctcc caaactgctg ggagtacagg caagccgaat 240
 tctgcagata tccatcacac tggcggccgc tcgagcatgc atctagaggg cccaattcgc 300
 cctatagtga gtcgtattac aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa 360
 accctggcgt tacccaactt aatgccttg cagcacatcc ccctttcgcc agctggcgta 420
 atagcgaaga ggcccgacc gatcgccctt cccaacagtt gcgcagcctg aatggcgaat 480
 ggacgcgccc tgtagcggcg cattaagcgc ggcggtgtg gtggttacgc g 531

<210> 245

<211> 517

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK37-8withM13R (see Figure 3)

<400> 245

ggagggtgtt tgcacaatct ttgtcactg caatctccac ctccgggtt caagtgttc 60

tcctgcctca gactgctgaa tacttgggat tacaggcacc cgccaccaca ccttgctaata 120

tttttgatt ttaatatagag atgggggttc accatgtcaa ccaggctggt cttgaactcc 180

tgaccttagg tgatccaccc acctcagcct cccaaactgc tgggagtaca ggcaagccga 240

attctgcaga tatccatcac actggcggcc gctcgagcat gcatctagag ggccaattc 300

gccctatagt gactgctatt acaattcact ggccgtcgtt ttacaacgtc gtgactggga 360

aaacctggc gttaccaaac ttaatgcct tgcagcacat cccctttcg ccagctggcg 420

taatagcgaa gaggccgca ccgatcgccc ttccaacag ttgcgcagcc tgaatggcga 480

atggacgcgc cctgtagcgg cgcattaagc gcggcgg 517

<210> 246

<211> 620

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK37-9withM13R (see Figure 3)

<400> 246

aacagctatg accatgatta cgccaagctt ggtaccgagc tcggatccac tagtaacggc 60

cgccagtgtg ctggaattcg gcttcctcag cctcctgagt agctgggggtt acaggtgccc 120

accaccacac ctggctgatt ttatatatt tagtagagat ggggtttcac catgtcgcca 180

ggctgggtctt gagctctaga cctcaagtga tccaccatc ttggcctctc aaactgctgg 240

gagtacaggc aagccgaatt ctgcagatat ccatcacact ggcggccgct cgagcatgca 300

tctagagggc ccaattcgcc ctatagttag tcgtattaca attcactggc cgtcgtttta 360

caacgtcgtg actgggaaaa ccctggcggtt acccaactta atcgccttgc agcacatccc 420

cctttcgcca gctggcgtaa tagcgaagag gcccgaccg atcgcccttc cccaacagtt 480

gcgcagcctg aatggcgaat ggacgcgccc ttagcggcg cattaaagcg gcgagggtgtg 540

gtggttacgc gcagcgtgac cgctacactt gccagcgcgc tagcgcccgc tcctttcgct 600

ttcttcctt cctttctgc 620

<210> 247

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK37-26withM13R (see Figure 3)

<400> 247

ggagggtgtt tgcacaatct cggctcacag tagcctctgc ctctgggtt caagcgattc 60

tctgcctca gcctcccgag tagctgggat tacaggcatg cgccaccatg tccatctaata 120
 ttgtatttt tagtagagat ggggtttctc catgttggc aggctgggtc cgaactccca 180
 acctcaggtg atccacccgc ctggcctcc caaactgctg ggagtacagg caagccgaat 240
 tctgcagata tccatcacac tggcgccgc tcgagcatgc atctagaggg cccaattcgc 300
 cctatagtga gtcgtattac aattcactgg ccgtcgtttt acaacgtcgc gactgggaaa 360
 accctgtcgt tacccaactc aatgccttg cagc 394

<210> 248

<211> 566

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK39-3withM13R (see Figure 3)

<400> 248

ggagggtgtt tgcacaattt tggctcactg caacctctgc ctctgggcc caagccatct 60
 tctacctca gcttcccgag tagctggact acaggtgtga gccatcacgc ccagccaatt 120
 ttgtatttt tagtagagac gaggtttcac catgttggc tggctggcct tgatctctg 180
 acctagtgat ctccccgcct cagcctctca aactgctggg agtacaggca agccgaattc 240
 tgcagatc catcacactg gcggccgctc gagcatgcat ctagagggcc caattcgccc 300
 tatagtgagt cgtattacaa ttactggcc gtcgttttac aacgtcgtga ctgggaaaac 360
 cctggcgta cccaactta tcgccttgca gcacatcccc cttcgccag ctggcgtaat 420
 agcgaagagg cccgcaccga tcgcccttc aacagttgcg cagcctgaat ggcgaatgga 480
 cgcgccctgt agcggcgcat taaacgcggc ggggtgtgtg gttacgcgca gcgtgaccgc 540
 tacacttgcc agcgcctag cgcccg 566

<210> 249
<211> 600
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK39-4withM13R (see Figure 3)

<400> 249
aacagctatg acctgattac gccagcttg gtaccgagct cggatccact agtaacggcc 60
gccagtgtgc tggaattcgg ctggtgttt gcacaatctc agtcaccga aacctccgcc 120
tcacaggttc aagtattcc tctgcctcag ccttctgagt agctaggatg acaagcattt 180
gccatgatac ctggctaatt ttgtatttt agtagagacc aggattcttc atgttgataa 240
ggtggttctt gaactcctga cctcagatga tccatctgat ttggcctctc aaactgctgg 300
gagtacaggc aagccgaatt ctgcagatat ccatcacact ggcggccgct cgagcatgca 360
tctagagggc ccaattcgcc ctatagttag tcgtattaca attcactggc cgtcgtttta 420
caacgtcgtg actgggaaaa ccctggcggt acccaactta atgccttgc agcacatccc 480
ccttgcga gctggcgtaa tagcgaagag gcccgaccg atgccttc ccaacagttg 540
cgagcctga atggcgaatg gacgcgccct gtagcggcgc attaagcgcg gcgggtgtgg 600

<210> 250
<211> 527
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK39-6withM13R (see Figure 3)

<400> 250
ggagggtgtt tgcacaatct cagctcaccg aaacctccgc ctcacaggtt caagtgttc 60

ctctgcctca gccttctgag tagctaggat gacaagcatt tgccatgata cctggctaatt 120
 ttgtatttt tagtagagat ggggttttgc catgttggcc aggctggctct caaactcctg 180
 acctcaagtg atccccacc tcggcctccc aaactgctgg gagtacaggc aagccgaatt 240
 ctgcagatat ccatcacact ggcggccgct cgagcatgca tctagagggc ccaattcgcc 300
 ctatagttag tcgtattaca attcactggc cgctgtttta caacgtcgtg actgggaaaa 360
 ccctggcgtt acccaactta atcgcttgc agcacatccc cctttcgcca gctggcgtaa 420
 tagcgaagag gcccgaccg atcgcccttc ccaacagttg cgcagcctga atggcgaatg 480
 gacgcgcctt gtagcggcgc attaagcgcg gcgggtgtgg tggttac 527

<210> 251

<211> 526

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK39-7withM13R (see Figure 3)

<400> 251

ggagggtgtt tgcacaatct ggagggtgtt tgcacaatct cggctcacca caatctttgc 60
 ctttcgggtt caagggttgc tctgcctca gcctcccag tagctgggat tacaggcatg 120
 tgccaccaca cccggctaatt gtttagttt tagtagagac ggggtttctc tatgttggtt 180
 aggctggctct caaactcctg acctcaggtg atctaccgc ctcggcctct caaactgctg 240
 ggagtacagg caagccgaat tctgcagata tccatcacac tggcggccgc tcgagcatgc 300
 atctagaggg cccaattcgc cctatagtga gtcgtattac aattcactgg ccgtcgtttt 360
 acaacgtcgt gactgggaaa accctggcgt tacccaactt aatcgcttg cagcacatcc 420
 cccttcgcc agctggcgta atagcgaaga ggcccgacc gatcgccctt cccaacagtt 480
 gcgcagccct gaatggcgaa tggacgcgcc ctgtagcggc gcatta 526

<210> 252
<211> 491
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK39-8withM13R (see Figure 3)

<400> 252
ggagggtggt tgcacaatct cagctcaccg aaacctccgc ctacacaggt caagtgattc 60
ctctgcctca gccttctgag tagctaggat gacaagcatt tgccatgata cctggctaata 120
tttgatattt tagtagagat ggggttttgc catgttggcc aggctggtct caaactcctg 180
acctcaagt atccccacc tcggcctccc aaactgctgg gactacaggc aagccgaatt 240
ctgcagatat ccatcacact ggcgccgct cgagcatgca tctagagggc ccaattcgcc 300
ctatagttag tcgtattaca attactggc cgtcgtttta caacgtcgtg actgggaaaa 360
ccctggcgtt acccaactta atgccttgc agcacatccc ccttcgcca gctggcgtaa 420
tagcgaagag gcccgaccg atgcacctc ccaacagttg cgcagcctga atggcgaatg 480
gacgcgcct g 491

<210> 253
<211> 539
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK39-9withM13R (see Figure 3)

<400> 253
ggagggtggt tgcacaatct cagctcattg caacctccac ctccgggtt caagcaattc 60
ccctgcctca gcctcctgag tagctggaac tacaggcacg cgccaccacg tctggttaat 120

tttttgtat ttttatagag atgggggttt accatgttgc ccaggctggt cttaactcc 180
 tgggctcaag ctatccactc gccttggcct cccaaactgc tgggagtaca ggcaagccga 240
 attctgcaga tatccatcac actggcggcc gctcgagcat gcatctagag ggcccaattc 300
 gccctatagt gagtctgatt acaattcact ggccgtcgtt ttacaacgtc gtgactggga 360
 aaaccctggc gttaccaaac ttaatgcct tgcagcacat cccctttcg ccagctggcg 420
 taatagcgaa gagggccgca ccgatcgccc ttccaacagt tgcgcagcct gaatggcgaa 480
 tggacgcgcc ctgtagcggc gcattaagcg cggcgggtgt ggtggttacg gcgagcgtg 539

<210> 254

<211> 541

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from PK39-10withM13R (see Figure 3)

<400> 254

ggagggtgtt tgcacaatct cagctcaccg aaacctccgc ctacaggtt caagtgttc 60
 ctctgcctca gccttctgag tagctaggat gacaagcatt tgccatgata cctggctaatt 120
 tttgtatatt tagtagagac caggattctt catgttgata aggtggttct tgaactcctg 180
 acctcagatg atccatttga ttggcctcc caaactgctg ggagtacagg caagccgaat 240
 tctgcagata tccatcacac tggcggccgc tcgagcatgc atctagaggg cccaattcgc 300
 cctatagtga gtcgtattac aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa 360
 accctggcgt tacccaactt aatgccttg cagcacatcc ccctttcgcc agctggcgta 420
 atagcgaaga ggcccgacc gatcgccctt cccaacagtt gcgcagcctg aatggcgaat 480
 ggacgcgccc tgtagcggcg cattaagcgc ggcggtgtg gtggttacgc gcagcgtgac 540

<210> 255
<211> 327
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from PK39-12withM13R (see Figure 3)

<400> 255
ggagggtgtt tgcacaatct tggctcactg caacttttgc ctcctgggtt caagcaattc 60
tcctgcctca gcctcccgag tagctgggac tataggcacg cgccatcacg ccgggttatt 120
ttgtattttt agtacagacg ggggttttac atggtggtca agctgggtt gaacttctga 180
cctcaagtga tcctgccgcg ctcggcttc caaactgctg ggagtacatg gcaagcccga 240
attctgcaga tatccatcac acctggcggc cgctcgagct tgcattctaga gggccaatt 300
ccgcctatt ctgagtcgta tctacaa 327

<210> 256
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from BD43-1withM13R (see Figure 3)

<400> 256
ggagggtgtt tgcacaatct cagctcaccg aaacctccgc ctcacagggt caagtgttc 60
ctctgcctca gccttctgag tagctaggat gacaagcatt tgccatgata cctggctaatt 120
ttgtatttt tagtagagac caggattctt catgttgata aggtggttct tgaactcctg 180
acctcagatg atccatctga ttggcctcc caaactgctg ggagtacagg caagccgaat 240
tctgcagata tccatcacac tggcgccgcg tcgagcatgc atctagaggg cccaattcgc 300

cctatagtga gtccgtatta caattcactg gccgtcgttt tacaacgtcg tgactgggaa 360

aacctggcgc ttacccaact taatgcctt gcagcacatc cccctttcg cacctg 416

<210> 257

<211> 567

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from BD43-2withM13R (see Figure 3)

<400> 257

ggagggtgtt tgcaaatct cagtcaccg aaacctccgc ctcacagggt caagtattc 60

ctctgcctca gccttctgag tagctaggat gacaagcatt tgccatgata cctggctaata 120

tttgatttt tagtagagac caggattctt catgttgata aggtgggtct tgaactcctg 180

acctcagatg atccatctga ttggcctcc caaactgctg ggagtagagg caagccgaat 240

tctgcagata tccatcacac tggcggccgc tcgagcatgc atctagaggg cccaattcgc 300

cctatagtga gtcgtattac aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa 360

acctggcgt tacccaactt aatgccttg cagcacatcc cccttcgcc agctggcgta 420

atagcgaaga ggcccgacc gatcgccctt cccaacagtt gcgcagcctg aatggcgaat 480

ggacgcgccc ttagcggcg cattaagcgc ggcgggtgtg gtggttacgc gcagcgtgac 540

cgctacatt gccagcggcc tagcgcc 567

<210> 258

<211> 545

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from BD43-6withM13R (see Figure 3)

<400> 258

ggagggtgtt tgcacaatct ggggttcaag ggaagagtcc aggctgcaga taaagatttg 60
ggagttgtca gtatagcaat ttattgttg ttattactgt tgtgttttg tagagatagg 120
gtctcactat gttgccacg ctggtcttga actcctgagc tcaagcgatc ctctgcttc 180
agcctcccaa actgttgga gtacaggcaa gccgaattct gcagatatcc atcacactgg 240
cggccgctcg agcatgcatc tagagggcc aattcgccct atagtgagtc gtattacaat 300
tactggccg tcgtttaca acgtcgtgac tgggaaaacc ctggcggtac ccaacttaat 360
cgccttgca cacaaccccc ttccgccagc tggcgtaata gcgaagaggc ccgcaccgat 420
cgccctcca acagttgcgc agcctgaatg gcgaatggac gcgcctgta gcggcgcat 480
aagcgggcg ggtgtgtgg ttacgcgcag cgtgaccgct acacttgcca gcgcctagc 540
gcccg 545

<210> 259

<211> 531

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from BD43-8 (see Figure 3)

<400> 259

ggagggtgtt tgcacaatct tggctcactg caacctccac ctgcagttc aagcaattct 60
tgtgccttag cctcctgaat agtagctggg attacggcg tgtgcatca caccagcta 120
atttttgat ttttagtaga gacagttgtc caggctggc ttgaattcct ggcctcaaga 180
gatccgctgg ctttggcctc tcaaactgct gggagtacag gcaagccgaa ttctgcagat 240
atccatcaca ctggcgggcg ctgcagcatg catctagagg gcccaattcg ccctatagt 300
agtcgtatta caattcactg gccgtcgtt tacaacgtcg tgactgggaa aacctggcg 360

ttaccaact taatgcctt gcagcacatc ccccttgcg cagctggcgt aatagcgaag 420

aggcccgac cgatgccct tccaacagt tgcgcagcct gaatggcgaa tggacgcgcc 480

tgtacggcg cattaagcgc ggcggtgtg gtggttacgc gcagcgtgac c 531

<210> 260

<211> 531

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from BD43-8(2)withM13R BD43-8 (178, 100, 11q2
2.3) (see Figure 3)

<400> 260

ggagggtgtt tgcacaatct tggctcactg caacctccac ctgcagttc aagcaattct 60

tgtgccttag cctcctgaat agtagctggg attacgggcg tgtgcatca caccagcta 120

atTTTTgtat ttttagtaga gacagttgtc caggctggtc ttgaattcct ggcctcaaga 180

gatccgctgg ctttggcctc taaactgct gggagtagag gcaagccgaa ttctgcagat 240

atccatcaca ctggcgcccg ctgcagcatg catctagagg gcccaattcg ccctatagtg 300

agtcgtatta caattcactg gccgtcgtt tacaacgtcg tgactgggaa aacctggcg 360

ttaccaact taatgcctt gcagcacatc ccccttgcg cagctggcgt aatagcgaag 420

aggcccgac cgatgccct tccaacagt tgcgcagcct gaatggcgaa tggacgcgcc 480

tgtacggcg cattaagcgc ggcggtgtg gtggttacgc gcagcgtgac c 531

<210> 261

<211> 529

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from BD43-9withM13R (see Figure 3)

<400> 261

ggaggggtgtt tgcacaatct cagctcactg caaccttcgc ctcccgggtt caagtgattc 60
tctgcctca gcctcctgag tagctaggac tatagatgcc cccaccacgc ctggctaata 120
tttgatattt ttagtacag tcgggggttt gccatgttgg ccaggctgat ctgaacccc 180
tgacctcaac tgatccacc acctcggcct tccaaactgc tgggagtaca ggcaagccga 240
attctgcaga tatccatcac actggcggcc gctcgagcat gcatctagag ggccaattc 300
gccctatagt gagtctatt acaattcact ggccgtcgtt ttacaacgtc gtgactggga 360
aaacctggc gttaccaac ttaatgcct tgagcacat tccccttcg ccagctggcg 420
taatagcga gagggccgca ccgatgccc ttccaacagt tgcgcagcct gaatggcgaa 480
tggacgcgc ctgtagcggc gcattaagcc cggcgggtgt ggtggttac 529

<210> 262

<211> 563

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Alu sequence cloned from BD43-10withM13R (see Figure 3)

<400> 262

ggaggggtgtt tgcacaatct cagctcactg caacctcct ctctgcatt caaatgattc 60
tcctgcctca gccttcgag tagctggaat tacagacatg tactaccaca ccaggctaag 120
tttgatattt ttagtagaga cgaggtttca ccatgttggc caggctggtc ttgaactcct 180
ggcctcaagt gatccacctg ccttggcttc ccaaactgct gggagtacag gcaagccgaa 240
ttctgcagat atccatcaca ctggcggccg ctcgagcatg catctagagg gcccaattcg 300
ccctatagtg agtcgtatta caattcactg gccgtcgtt tacaacgtcc gtgactggga 360

aaaccctggc gttaccaac ttaatcgct tgcagacat ccccccttc gccagctggc 420
 gtaatagcga agaggccgc accgatgcc ctccaaca gtttgcgag cctgaatggc 480
 gaatggacgc gccctgtagc ggcgcattaa gcgcggcggg tgtgtgtgtt acgcgcagcg 540
 tgaccgctac acttgccagc gcc 563

<210> 263
 <211> 566
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Alu sequence cloned from BD43-14 (191, 100, 16q24.2) with M13R (see Figure 3)

<400> 263
 ggagggtgtt tgcacaatct cagtcacca caacctttc ctgctgggtt caagtgatta 60
 tctgcctca acctcccgac tagctgggat tacaggcatg caccacatg cctggctaata 120
 tttgtatttt tagcagagac agtgtttctc catgttggtg aggctggtct caaactcccg 180
 acctcagggtg atccgcctgc ctacgcctcc caaactgctg ggagtacagg caagccgaat 240
 tctgcagata tccatcacac tggcggccgc tcgagcatgc atctagaggg cccaattcgc 300
 cctatagtga gtcgtattac aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa 360
 accctggcgt tacccaactt aatgccttg cagcacatcc cctttcgcc agctggcgta 420
 atagcgaaga ggcccgacc gatcgccctt cccaacagtt gcgcagcctg aatggcgaat 480
 ggacgcgccc tgtaacggcg cattaagcgc ggcgggtgtg gtggttacgc gcagcgtgac 540
 cgctacactt gccagcggcc tagcgc 566